

Service Manual

ViewSonic VA1703w-1

VA1703wb-1

Model No. VS11534

17" Color TFT LCD Display

(VA1703w-1_VA1703wb-1_SM Rev. 1a Nov. 2006)

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Revision History

Revision	SM Editing Date	ECR Number	Description of Changes	Editor
1a	11/29/2006		Initial Release	Jamie Chang

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1. Precautions and Safety Notices

1-1. Appropriate Operation

- (1) Turn off the product before cleaning.
- (2) Use only a dry soft cloth when cleaning the LCD panel surface.
- (3) Use a soft cloth soaked with mild detergent to clean the display housing.
- (4) Disconnect the power plug from AC outlet if the product is not used for a long period of time.
- (5) If smoke, abnormal noise, or strange odor is present, immediately switch the LCD display off.
- (6) Do not touch the LCD panel surface with sharp or hard objects.
- (7) Do not place heavy objects on the LCD display, video cable, or power cord.
- (8) Do not use abrasive cleaners, waxes or solvents for your cleaning.
- (9) Do not operate the product under the following conditions:
 - Extremely hot, cold or humid environment.
 - Areas susceptible to excessive dust and dirt.
 - Near any appliance generating a strong magnetic field.
 - Place in direct sunlight.

1-2. Caution

No modification of any circuit should be attempted. Service work should only be performed after you are thoroughly familiar with all of the following safety checks and servicing guidelines.

1-3. Safety Check

Care should be taken while servicing this LCD display. Because of the high voltage used in the inverter circuit, the voltage is exposed in such areas as the associated transformer circuits.

1-4. Power Supply Requirements

The external AC power operating range shall be from 90 to 264Vac

1-5. LCD Module Handling Precautions









1-5-1. Handling Precautions

- (1) Since front polarizer is easily damaged, pay attention not to scratch it.
- (2) Be sure to turn off power supply when inserting or disconnecting from input connector.
- (3) Wipe off water drop immediately. Long contact with water may cause discoloration or spots.
- (4) When the panel surface is soiled, wipe it with absorbent cotton or other soft cloth.
- (5) Since the panel is made of glass, it may break or crack if dropped or bumped on hard surface.
- (6) Since CMOS LSI is used in this module, take care of static electricity and insure

human earth when handling.

- (7) Do not open nor modify the Module Assembly.
- (8) Do not press the reflector sheet at the back of the module to any directions.
- (9) In case if a Module has to be put back into the packing container slot after once it was taken out from the container, do not press the center of the CCFL Reflector edge. Instead, press at the far ends of the CFL Reflector edge softly. Otherwise the TFT Module may be damaged.
- (10) At the insertion or removal of the Signal Interface Connector, be sure not to rotate nor tilt the Interface Connector of the TFT Module.
- (11) After installation of the TFT Module into an enclosure (LCD monitor housing, for example),
do not twist nor bend the TFT Module even momentary. At designing the enclosure, it should be taken into consideration that no bending/twisting forces are applied to the TFT Module from outside. Otherwise the TFT Module may be damaged.
- (12) Cold cathode fluorescent lamp in LCD contains a small amount of mercury. Please follow local ordinances or regulations for disposal.
- (13) Small amount of materials having no flammability grade is used in the LCD module. The LCD module should be supplied by power complied with requirements of Limited Power Source, or be applied exemption.
- (14) The LCD module is designed so that the CFL in it is supplied by Limited Current Circuit.
Do not connect the CFL in Hazardous Voltage Circuit.

1-5-2. Handling and Placing Methods

Correct Methods:	Incorrect Methods:
1.Take out the monitor with cushions	1.Taking out the monitor by grasping the LCD panel. That may cause "Mura"
	
2.Only touch the metal frame of the LCD panel or the front cover of the monitor. Do not touch the surface of the polarizer.	2.Surface of the LCD panel is pressed by fingers and that may cause "Mura".
	
	
3.Place the monitor on a clean and soft foam pad.	3.Placing the monitor on foreign objects. That could scratch the surface of the panel or cause "Mura".
	

2. Specification

Product definition and specification

Product Name	VA1703w/wb-1
Model Number	VS11534
OSD Languages	English, French, German, Italian, Spanish, Finnish, Japanese, Traditional Chinese, Simplified Chinese, Russian
TFT LCD Panel and Model #	HSD 170MGW1-A
Scalar	MST TSUM56AK-1
Input Signal	Analog x1
Sync Compatibility	Separate Sync
Adapter	Internal Power Board
Power Cable	Yes, refer to APPENDIX B: Power Cable
Analog Cable (1.8 m, black), with PC 2001 and Hot Plug Detect &DDC	Yes (Detached cable; refer the Appendix A)
DVI-D Cable(1.8m, black) with PC 2001	No
Audio Cable(1.8m, black) with PC 2001	NO
MIC Cable(1.8m, black) with PC 2001	No
USB Cable (V2.0)	No
ViewSonic CD Wizard	Arabic, English, Finnish, Spanish, German, Italian, Japanese, Swedish, Polish, Korean, Portuguese, Russian,
ViewSonic Quick Start Guide	Turkish , French, Czech, Hungarian, Simplified Chinese, Traditional Chinese
PerfectSuite CD	No
Screen Protector Mylar	Yes
Foot Protector plastic	No
Service Insert	For Region code = M units only
Response Time Sticker	For Region code = M/E/U/G units only
Energy Star Sticker	Yes
Warranty Sticker	For Region code = G units only
Warranty Card	For Region code = G units only
Warranty Carton Sticker	For Region code = G units only
PE bag of Carton	For Region code = G units only

1 GENERAL specification

Test Resolution & Frequency	1440x900 @ 60Hz
Test Image Size	Full Size
Contrast and Brightness Controls	Factory Default: Contrast = 70%, Brightness = 100%

2 VIDEO INTERFACE

Input Connector (refer the Appendix A)	Analog = DB-15
Default Input Connector	Defaults to the first detected input
Video Cable Strain Relief	Equal to twice the weight of the monitor for five minutes
Video Cable Connector Pin out	Refer to Appendix A; Compliant DDC/2B
Video Signals	Video RGB (Analog) Separate Sync
Video Impedance	75 Ohms (Analog),
Maximum PC Video Signal	950 mV with no damage to monitor
Maximum Mac Video Signal	1250 mV with no damage to monitor
Sync Signals	TTL
DDC 2B	Compliant with Revision 1.3
Sync Compatibility	Separate Sync
Video Compatibility	Shall be compatible with all PC type computers, Macintosh computers, and after market video cards
Resolution Compatibility	Refer to Segment 4-5
Exclusions	Not compatible with interlaced video

3 USB INTERFACE

No USB interface

4 POWER SUPPLY

Internal Power Supply Part Number	FSP032-2P101 / Delta DAC-12M051												
Input Voltage Range	90 to 264 VAC												
Input Frequency Range	47 to 63 Hertz												
Short Circuit Protection	Output can be shorted without damage												
Over Current Protection	6.0 A typical at 5 VDC												
Leakage Current	0.75mA (Max) at 264VAC / 50Hz												
Efficiency (at 115VAC Full Load)	75% TYPICAL AT 115VAC FULL LOAD												
Fuse	Internal and not user replaceable												
Power Output	33 Watts (typ)												
Ripple and Noise	Ripple: <3% Noise: <1%												
Max Input AC Current	1.3 Arms @ 90VAC, 0.65 Arms @264VAC												
Inrush Current (Cold Start)	60 A (max) @ 110VAC												
Power Supply Cold Start	Shall start and function properly when under full load, with all combinations of input voltage, input frequency, and operating temperature.												
Power Supply Transient Immunity	Shall be able to withstand an ANSI/IEEE C62.41-1980 6000V 200 ampere ring wave transient test with no damage.												
Power Supply Line Surge Immunity	Shall be able to withstand 1.5 times nominal line voltage for one cycle with no damage.												
Power Supply Missing Cycle Immunity	Shall be able to function properly, without reset or visible screen artifacts, when ½ cycle of AC power is randomly missing at nominal input.												
Power Supply Acoustics	The power supply shall not produce audible noise that would be detectable by the user. Audible shall defined to be in compliance with ISO 7779 (DIN EN27779:1991) Noise measurements of machines acoustics. Power Switch noise shall not be considered.												
Power Saving Operation(Method)	VESA DPMS Signaling												
Power Consumption	<table><tr><th>Mode</th><th>LED</th><th>Power Consumption</th></tr><tr><td>On</td><td>Green</td><td>21W (Typ) / 25W (max)</td></tr><tr><td>Active off</td><td>Amber</td><td><2W</td></tr><tr><td>Off</td><td>Off</td><td><1W</td></tr></table>	Mode	LED	Power Consumption	On	Green	21W (Typ) / 25W (max)	Active off	Amber	<2W	Off	Off	<1W
Mode	LED	Power Consumption											
On	Green	21W (Typ) / 25W (max)											
Active off	Amber	<2W											
Off	Off	<1W											
Recovery Time	On Mode = N/A, Active Off < 3 sec												

5 ELECTRICAL REQUIREMENT

Horizontal / Vertical Frequency

Horizontal Frequency	24 – 70 kHz
Vertical Refresh Rate	50 – 75 Hz
Maximum Pixel Clock	135 MHz
Sync Polarity	Independent of sync polarity

Timing Table

Item	Timing				Analog			Digital - TMDS	Remark
					Separated	Composite	SOG		
1	640 x 350	@	70 Hz,	31.5 KHz	✓				DMT
2	640 x 400	@	60 Hz,	31.5 KHz	✓				
3	640 x 400	@	70 Hz,	31.5 KHz	✓				
4	640 x 480	@	50 Hz,	24.7 KHz	✓				
5	640 x 480	@	60 Hz,	31.5 KHz	✓				DMT
6	640 x 480	@	67 Hz,	35 KHz	✓				For MAC
7	640 x 480	@	72 Hz,	37.9 KHz	✓				DMT
8	640 x 480	@	75 Hz,	37.5 KHz	✓				DMT
9	720 x 400	@	70 Hz,	31.5 KHz	✓				
10	720 x 480	@	60 Hz,	31.5 KHz	✓				DTV
11	720 x 576	@	50 Hz,	31.3 KHz					DTV
12	800 x 600	@	56 Hz,	35.1 KHz	✓				DMT
13	800 x 600	@	60 Hz,	37.9 KHz	✓				DMT
14	800 x 600	@	72 Hz,	48.1 KHz	✓				DMT
15	800 x 600	@	75 Hz,	46.9 KHz	✓				DMT
16	832 x 624	@	75 Hz,	49.7 KHz	✓				MAC
17	1024 x 768	@	50 Hz,	39.6 KHz					
18	1024 x 768	@	60 Hz,	48.4 KHz	✓				DMT
19	1024 x 768	@	70 Hz,	56.5 KHz	✓				DMT
21	1024 x 768	@	75 Hz,	60 KHz	✓				DMT
23	1152 x 864	@	75 Hz,	67.5 KHz	✓				DMT
24	1152 x 870	@	75 Hz,	68.7 KHz	✓				For MAC
25	1152 x 900	@	67 Hz,	62.5 KHz					For SUN
26	1280 x 720	@	50 Hz,	37.5 KHz					DTV
27	1280 x 720	@	60 Hz,	45 KHz	✓				DTV
28	1280 x 768	@	50 Hz,	39.6 KHz					
29	1280 x 768	@	60 Hz,	47.8 KHz	✓				DMT;
30	1280 x 768	@	75 Hz,	60.3 KHz	✓				DMT;
31	1280 x 960	@	50 Hz,	49.4 KHz					
32	1280 x 960	@	60 Hz,	59.7 KHz	✓				DMT
33	1280 x 960	@	75 Hz,	75.2 KHz	✓				
34	1280 x 1024	@	50 Hz,	52.7 KHz					
35	1280 x 1024	@	60 Hz,	64 KHz	✓				DMT
36	1280 x 1024	@	75 Hz,	80 KHz	✓				DMT
37	1440 x 900	@	60 Hz,	55.9 KHz	✓				DMT
38	1440 x 900	@	75 HZ	70.6 KHz	✓				DMT

*1. Tolerance $\geq \pm 2\text{KHz}$ (if no overlapping issue)

*2. Any timing not in the list, it should display as normal or show on “OUT OF RANGE” OSD message without blanking.

*3. The image quality of 85Hz mode might be worse than 75Hz.

*4. The image quality 1280x960@75HZ and 1280x1024@75Hz mode might be worse than other mode.

7 AUDIO INTERFACE (SPEAKER SPECIFICATION)

No USB interface

8 TFT LCD PANEL

Panel Characteristics :

1st Source Panel

Model number	HSD 170MGW1-A
Type	Active Matrix TFT, TN technology
Active Size	17" Wide (367.2mm x 229.5mm)
Pixel Arrangement	RGB Vertical Stripe
Pixel Pitch	0.255 mm
Glass Treatment	Anti-Glare, Hard coating (3H)
# of Backlights	4 CCFL
Backlight Life	40000 Hrs (Typ) @7.5mA
Luminance (Center) – CT = 6500K, Contrast/ Brightness = Max	250 cd/m2 (Typ after 30 minute warm up) @8.0mA 200 cd/m2 (Min after 30 minute warm up) @8.0mA
Brightness Uniformity (13 points)	75% (Typ) / 70 % (Min)
Contrast Ratio	500 :1 (Typ) 400 : 1 (Min)
Color Depth	262144 colors (6bit panel)
Horizontal Viewing Angle	140 degrees (Typ) / 130 degrees (Min) @ CR>10
Vertical Viewing Angle	130 degrees (Typ) / 120 degrees (Min) @ CR>10
Response Time 10%-90% @ Ta=25°C	On-Off 8ms (Typ) / 12 ms (Max)
Mercury	3.0 mg per lamp
Panel Defects	Please see Panel Quality Specifications.

*Over 50% units of shipment shall be equal or better than the Typical value above.

9 IMAGE PERFORMANCE

Display Size

Horizontal Display Size, Primary Preset	Full Screen
Vertical Display Size, Primary Preset	Full Screen

Luminance

Lv (Max) –Condition: Brightness / Contrast = 100% CCT = USER COLOR (R/G/B=100%)	Lv (Max) = The Luminance requirement of section 6 “TFT LCD PANEL”
Lv (Def) –Condition: Brightness / Contrast = 100% Color Temperature = 6500K / sRGB	$Lv (Def) / Lv (Max) \times 100\% > 93\%$
Lv (sRGB/6500K) –Condition: Brightness / Contrast = Default CCT = 6500K / sRGB	$Lv (sRGB/6500K) / Lv (Max) \times 100\% > 85\%$
Lv (9300K) –Condition: Brightness / Contrast = Default CCT = 9300K	$Lv (9300K) / Lv (Max) \times 100\% > 65\%$
Lv (5400K) –Condition: Brightness / Contrast = Default CCT = 5400K	$Lv (5400K) / Lv (Max) \times 100\% > 72\%$
Lv (Brightness) –Condition: Contrast = 100%	$Lv(Brightness=0\%) / Lv(Brightness=100\%) \times 100\% \leq 55\%$
Lv (Contrast) –Condition: Brightness = 100%	$Lv(Contrast=0\%) / Lv(Contrast=100\%) \times 100\% \leq 35\%$

Contrast Ratio

CR(Max) –Condition: Contrast / Brightness = 100% CCT = USER COLOR (R/G/B=100%)	Same as the Contrast Ratio in section 6 “TFT LCD PANEL”
CR(6500K) –Condition: Contrast / Brightness = Default CCT = 6500K	$CR(6500K) / CR(Max) \geq 85\%$

* $\geq 50\%$ units of shipment shall be equal or better than typical CR spec.

Saturation

Contrast = Default Brightness = Default Test pattern = 6gray	NO VISIBLE SATURATION
Contrast = 100% Brightness = 100% Test pattern = 6gray	12~16 - LEVEL SATURATION

Preset Color Temperatures

sRGB	It should meet IEC 61966-2-1 (1999-10) standard.
Preset 1	CCT (typ) = 9300K ($u'_{CCT}=0.1888$; $v'_{CCT}=0.4457$) CCT (max) = 10250K, CCT (min) = 8500K $\Delta u'v' < 0.01$ (@ Full White pattern)
Preset 2 (Primary)	CCT (typ) = 6500K ($u'_{CCT}=0.1978$; $v'_{CCT}=0.4684$) CCT (max) = 6950K, CCT (min) = 6100K $\Delta u'v' < 0.01$ (@ Full White pattern)
Preset 3	CCT (typ) = 5400K ($u'_{CCT}=0.2044$; $v'_{CCT}=0.4808$) CCT (max) = 6185K, CCT (min) = 4935K $\Delta u'v' < 0.01$ (@ Full White pattern)
Preset Color Temperature Adjustability	Each color preset shall be adjustable. Red, Green, and Blue shall be individually controlled.

* Any gray level and Contrast/Brightness should not get reddish, greenish or bluish.

10 MECHANICAL

Dimension (Desktop)

Width	406.7 mm (16.01 inch)
Height (Height adjust to the bottom)	374.9mm (14.75 inch)
Depth	210.17mm (8.27 inch)
Monitor Weight	3.7 Kg (8.2 lbs)

*Refer to Figure 1

Dimension (Head Only / Wall Mount)

Width	406.7 mm (16.01 inch)
Height	293.3mm (11.54 inch)
Depth	63mm (2.48 inch)
Monitor Weight	2.9 Kg (6.38 lbs)

*Refer to Figure 1

Ergonomics

Tilt Up	$\geq 20^{\circ}$
Tilt Down	From 0° down to $-3^{\circ} \sim -5^{\circ}$
Swivel Right	N/A
Swivel Left	N/A
Height Adjust	N/A

3. Front Panel Function Control Description

3-1. Front Panel Hardware Controls

Power Switch (Front Head)	Power Control, soft Power Switch.
Power LED (Front Head)	Green – ON Orange – Power Saving Mode Dark = Soft Power Switch OFF
Front Panel Controls (Head) [⏻] [1] [2] [▲] [▼]	[⏻] Power [1] Button 1 [2] Button 2 [▲] Up arrow button [▼] Down arrow button Note: Power Button, Button 1 and Button 2 must be one-shot logic operation. (i.e. there should be no cycling)
Reaction Time	OSD must fully appear within 0.5s after pushing Button 1

3-2. Short Cuts Function from the button(s)

[1]	Main Menu
[2]	Input toggle (Analog or Digital; refer to Appendix D)
[▼]	Brightness adjust
[▲]	Contrast adjust
[▼]+ [▲]	Recall both of Contrast and Brightness to default
[1] + [2]	Toggle 720x400 and 640x400 mode when input 720x400 or 640x400 mode
[1] + [▼] + [▲]	White Balance. (Not shown on user's guide)
[1] + [▼]	Power Lock
[1] + [▲]	OSD Lock
No signal + [2] + [⏻]	Burning mode
Signal + [2] + [⏻]	Factory Mode
Remark : All the short cuts function are only available while OSD off	

3-3. Function descriptions

Main Menu Controls

The Main Menu OSD includes most of control functions.

Please refer to APPENDIX C (Main Menu OSD Table) for the detail.

OSD Lock short cuts function for the buttons

The OSD lock will be activated by pressing the front panel control buttons "(1), & (▲)" for 10 seconds. If the user then tries to access the OSD by pressing any of the buttons "1", "▼", "▲", "2" a message will appear on the screen for 3 seconds showing "OSD Locked". The OSD lock will be deactivated by pressing the front panel control buttons "(1), & (▲)" again for 10 seconds.

Note 1: When the OSD is locked will lock all functions, including "Volume" and "Mute"

Note 2: Status bar indicating OSD Lock or Unlock is in progress and when complete it will indicate "OSD Locked"

Note 3: OSD Lock should not lock Power Button and Power Lock function .

Power Lock short cuts function for the buttons

The power button lock will be activated by pressing the front panel control buttons "(1), & (▼)" for 10 seconds. Locking the power button means that the user won't be able to turn off the LCD while the power button is locked. If the user presses the power button while it is locked, a message will appear on the screen for 3 seconds showing "Power Button Locked". It also means that with the power button locked, the LCD would automatically turn back "On" when power is restored after a power failure. If the power button is not in the locked mode, then power should return to it's previous state when power is restored after a power failure. The power button lock will be deactivated by pressing the front panel control buttons "(1), & (▼)" again for 10 seconds.

Note 1: Status bar indicating Power Button lock or unlock is in progress and when complete it will indicate "Power Button Locked"

Note 2: Power should only be lockable in the "On State"

Memory Recall Actions

Memory Recall action on the analog and digital mode as below

1. Recall white balance to factory setting
2. Set the factory defaults as shown in Section 4-8
3. Clean all the mode setting buffer
4. Execute Auto Image Adjust

Note: Memory Recall should have no effect for Language, Power Lock, User Color Settings or Input Priority

Input Signal Notice Actions

1. The Input Signal Notice OSD appears 3 seconds when power turns on or change input signal.
2. The Input Signal Notice OSD position is on the right-bottom side of image. And the OSD background shall be transparent. (OSD Background = off).

Resolution Notice Actions

1. Resolution Notice OSD should show on screen after changing to non-native mode for 30 sec
2. For auto input select function, it shall meet the requirement in Appendix D.
3. The OSD should disappear after 10 sec or by pushing button [1] or [2]

Resolution Notice function should be disabled when push button [2] under Resolution Notice OSD

0-Touch™ Function Actions

1. Execute Auto Image Adjust when new mode detected, and save the settings to buffer for further use
2. It should be reset by Memory Recall function .
(Should not reset by power off, power unplug and others)

OSD Auto Save

The OSD shall save new settings when it is turned off by the user or when it times out. There shall not be a separate save

3-4. Factory Defaults

Item	Defaults	Item	Defaults
Contrast	70%	Input Priority	N/A
Brightness	100%	Resolution Notice	On
Color Temperature	6500K	Volume	N/A
Sharpness	100%	Balance	N/A
OSD H. Position	50%	Treble	N/A
OSD V. Position	50%	Bass	N/A
OSD Time Out	15	720x400 / 640x400	720x400
OSD Background	On		

3-5. OSD Menu Controls

Select the menu items shown below by using the up [▲] and down [▼] buttons.

- **Main Menu :**



- **Auto Image Adjust :**

To automatically adjust H./ V. Position, Phase adjust and Clock adjust.

REMARK: There may need to select “**Manual Image Adjust**” to optimized Performance for various VGA tolerance.



- **Contrast / Brightness :**

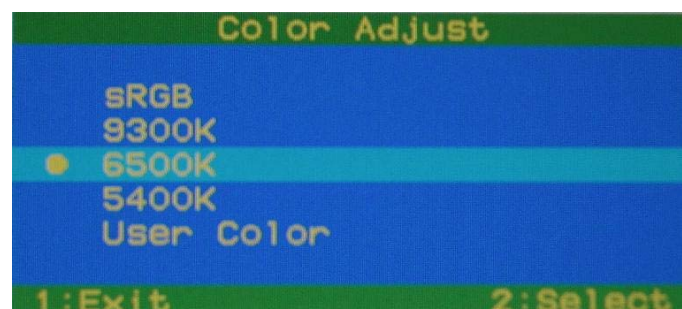
To adjust the Contrast of the video and the backlight currency.

REMARK: 1. These functions setting can be recalled to default by [Up] + [Dn].
2. These functions should be disabled and setting to default in sRGB Mode.



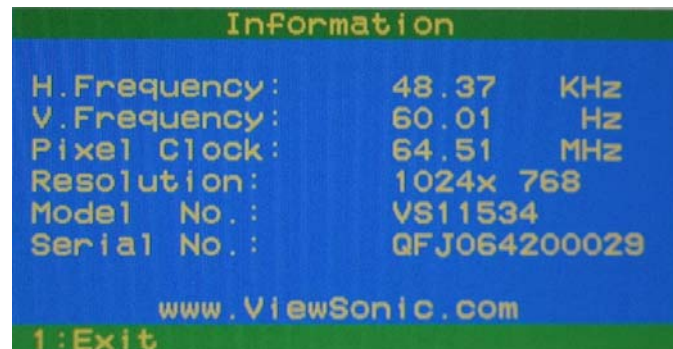
- **Color Adjust :**

To select the color temperature sRGB, 9300°K, 7500°K ,6500°K, 5400°K or user color.



- **Information:**

To display the data about Horizontal / Vertical frequency, Pixel clock, Resolution , Model number and Serial No. of the monitor.



- **Manual Image Adjust:**

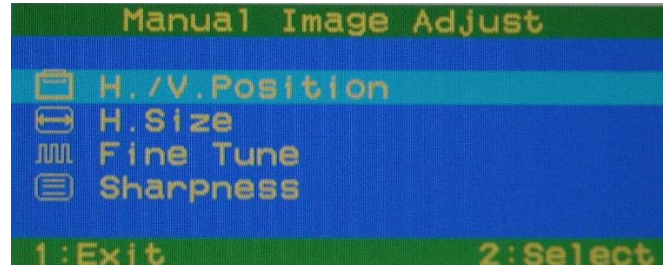
H./V. Position: To adjust the horizontal and vertical position of the video.

H./V. Size: To adjust the horizontal and vertical pixel clock of the video.

Fine Tune: To adjust the delay time of data and clock.

Sharpness: To select the picture sharpness of display.

REMARK: This function is available under Native Resolution Mode.



- **Setup Menu:**

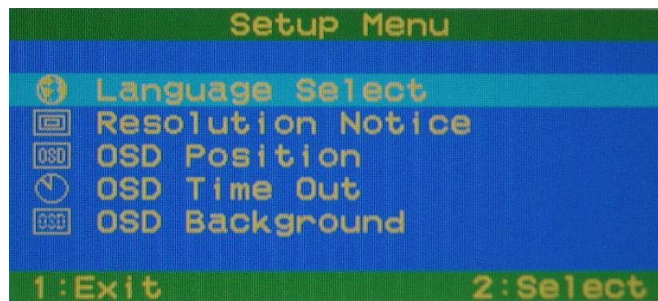
Language Select: To select one of ten languages.(English, French, German, Spanish, Italian, Finnish, Japanese, Traditional Chinese, Simplified Chinese, and Russian)

Resolution Notice: Enable (on) : OSD will notify the best picture quality resolution change the resolution to 1440 x 900.

OSD Position: To set OSD position.

OSD Time out: To set the displaying time of OSD (5" / 15" / 30" / 60").

OSD Background: To select video background brightness.



- **Memory Recall:**

Restore default settings of Clock, H./V. Position, Fine Tune, Contrast, Brightness, Color temperature, OSD position, OSD timeout and Sharpness .



4. Circuit Description

4-1. Power supply (DC/DC Converter)

This brick convert is the 110-220AC input voltage to 12V AND 5V output for inverter, audio, panel and system controller use.

It consists of a PWM IC (TEA1530AT, U105)

4-2. Scaling controller

The ADC is to convert RGB analog signal to digital signal that scaling chip can acknowledge.

The HSYNC input receives a logic signal and provides the frequency reference for pixel clock generation.

The scaling IC is to converts the input signal ranging from VGA to WXGA.

4-3. General description

The TSUM57AK is a high performance, and fully integrated graphics processing IC solution for LCD monitors with resolutions up to WXGA. It is configured with an integrated triple-ADC/PLL, a high quality scaling engine, an on-screen display controller, a built-in output clock generator, and LVDS display interface. To further reduce system costs, the TSUM57AK also integrates intelligent power management .

5. Adjustment Procedure

5-1. Function Test

- **Product**

- 17" LCD Monitor

- **Test Equipment**

- Color Video Signal & Pattern (or PC with WXGA resolution and a sound card)

- **Test Condition**

Before function test and alignment, each LCD Monitor should be run-in and warmed up for at least 30 minutes with the following conditions:

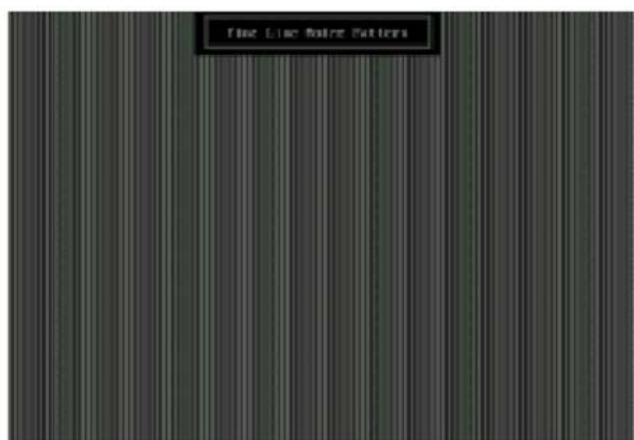
- (a) In room temperature,
- (b) With full-white screen, RGB, and Black
- (c) With cycled display modes,
 - 640*480 (H=37.5kHz, V=75Hz)
 - 800*600 (H=46.9kHz, V=75Hz)
 - 1024*768 (H=60kHz, V=75Hz)
 - 1280*768 (H=60.3kHz, V=75Hz)
 - 1280*1024 (H=80kHz, V=75Hz)
 - 1440*900 (H=70.6kHz, V=75Hz)

- **Test Display Modes & Pattern**

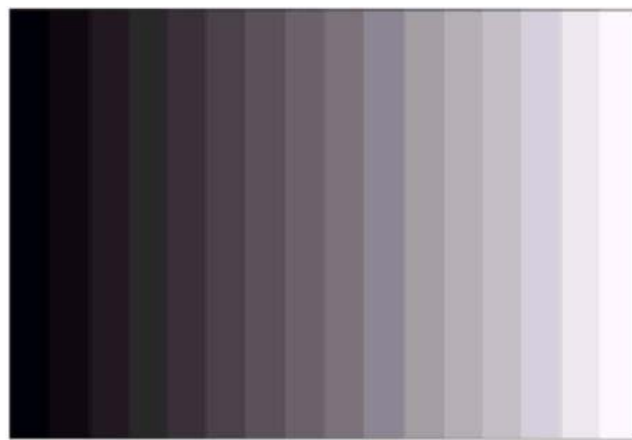
Analog
1. 640 x 480 @ 60Hz, 31.5kHz
2. 640 x 480 @ 62Hz, 37.9kHz
3. 640 x 480 @ 75Hz, 37.5kHz
4. 800 x 600 @ 60Hz, 37.9kHz
5. 800 x 600 @ 72Hz, 48.1kHz
6. 800 x 600 @ 75Hz, 46.9kHz
7. 832 x 624 @ 75Hz, 49.7kHz
8. 1024 x 768 @ 60Hz, 48.4kHz
9. 1024 x 768 @ 70Hz, 56.5kHz
10. 1024 x 768 @ 75Hz, 60.0kHz
11. 1152 x 864 @ 75Hz, 67.5kHz
12. 1152 x 870 @ 75Hz, 68.7kHz
13. 1152 x 900 @ 67Hz, 62.5kHz
14. 1280 x 768 @ 60Hz, 47.8kHz
15. 1280 x 768 @ 75Hz, 60.3kHz
16. 1280 x 960 @ 60Hz, 59.7kHz
17. 1280 x 1024 @ 60Hz, 64.0kHz
18. 1280 x 1024 @ 75Hz, 80.0kHz
19. 1440 x 900 @ 60Hz, 55.9kHz
20. 1440 x 900 @ 75Hz, 70.6kHz

● **Function Test Display Pattern**

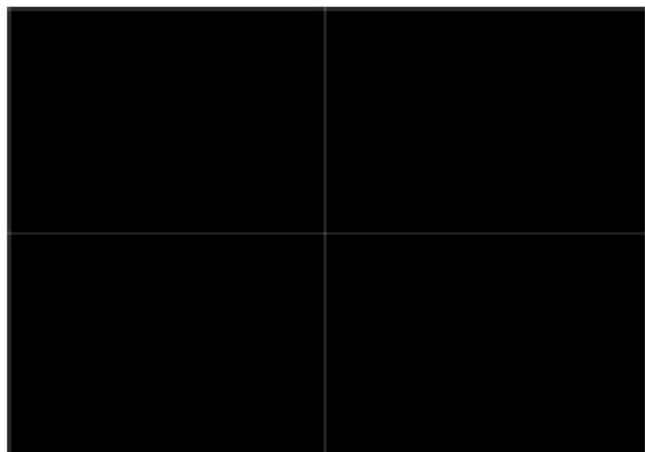
Item	Test Content	Pattern	Specification	Remark
1	Frequency & Tracking	Fine Line Moire	Eliminate visual wavy noise.	Figure 1
2	Contrast/Brightness	16 Gray Scale	16 gray levels should be distinguishable.	Figure 2
3	Boundary	Horizontal & Vertical Thickness	Horizontal and Vertical position of video should be adjustable to be within the screen frame.	Figure 3
4	RGB Color Performance	RGB Color Intensities	Contrast of each R, G, B, color should be normal.	Figure 4, 5, 6
5	Screen Uniformity & Flicker	Full White	Should be compliant with the spec.	Figure 7
6	Dead Pixel/Line	White Screen & Dark Screen	The numbers of dead pixels should be compliant with the spec.	Figure 7, 8
7	White Balance	White & Black Pattern	The screen must have the pure white and black pattern, no other color.	Figure 9



Fine Line Moire Pattern (Figure1)



Gray Scale Pattern (Figure2)



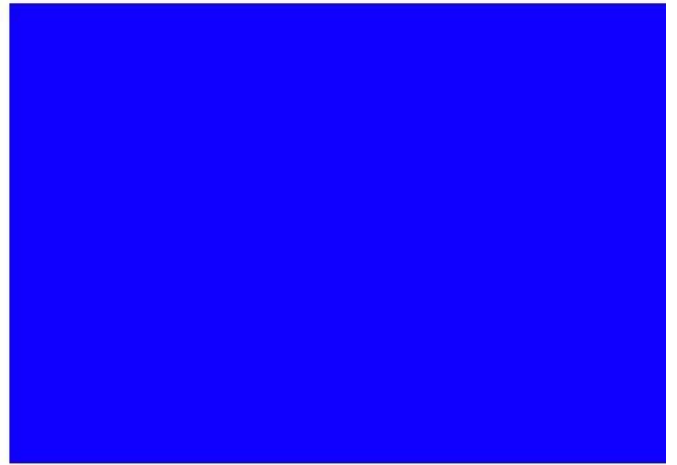
Horizontal & Vertical Thickness Pattern (Figure 3)



R. Color Pattern (Figure 4)



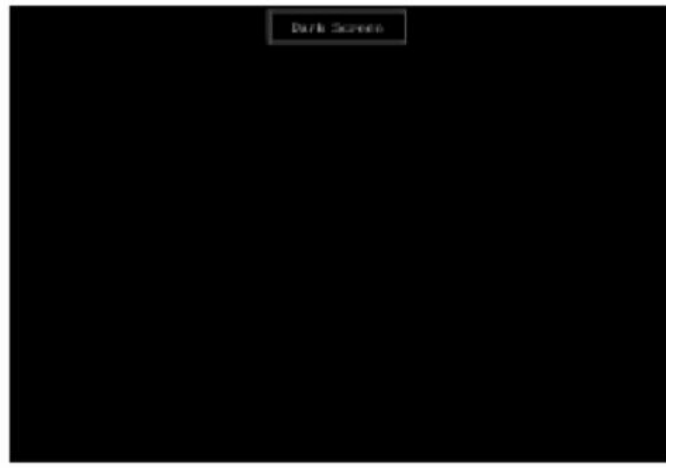
G. Color Pattern (Figure5)



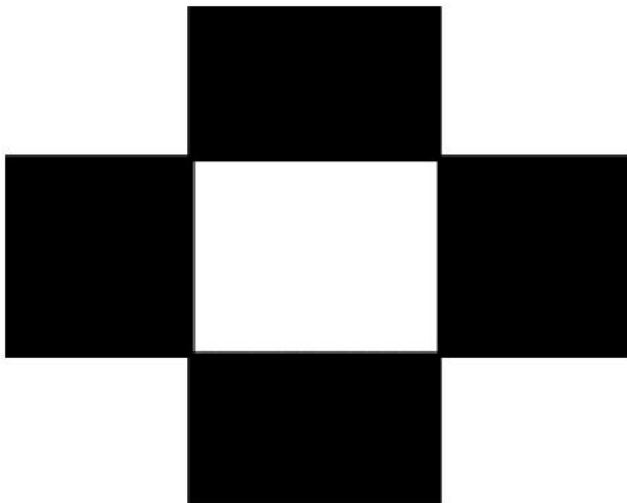
B. Color Pattern (Figure 6)



Full White Patter (Figure 7)



Dark Screen Pattern (Figure 8)



Black-White Pattern (Figure 9)

5-2. Function Test and Alignment Procedure

- **Memory Recall**

You should do “**Memory Recall**” first. This action will allow you to erase all end-user’s settings and restore the factory defaults.

- **Auto Image Adjust**

Please select and enter “**Auto Image Adjust**” function on Main Menu to see if it is workable.

The “**Auto Image Adjust**” function is aimed to offer a better screen quality by built-in ASIC. For optimum screen quality, the user has to adjust each function manually.

- **Firmware**

Test Pattern: Burn In Mode (Refer to Chapter 3-2. Short Cuts Function from the button(s))

- Make sure the F/W is the latest version.

- **DDC**

Test Pattern: EDID program

- Make sure it can pass test program.

- **Fine Tune and Sharpness**

Test Signal: 1440x900 @ 60Hz

Test Pattern: Line Moire Pattern

- Check and see if the image has noise and focus performs well. Eliminate visual line bar.

- If not, readjust by the following steps:

(a) Select and enter “**Fine Tune**” function on “**Manual Image Adjust**” to adjust the image to eliminate visual wavy noise.

(b) Then, select and enter “**Sharpness**” function to adjust the clarity and focus of the screen image.

- **Boundary**

Test Signal: 1440x900 @ 60Hz

Test Pattern: Horizontal & Vertical Line Thickness Pattern

- Check and see if the image boundary is within the screen frame.

- If not, readjust by the following steps:

(a) Select and enter “**Manual Image Adjust**” function on OSD Main Menu.

(b) Then, select and enter “**Horizontal Size**” or “**Horizontal/Vertical Position**” function to adjust the video boundary to be full scanned and within screen frame.

- **White Balance**

Test Signal: 1440x900 @ 60Hz

Test Pattern: White and Black Pattern

- **R, G, B, Colors Contrast**

Test Signal: 1440x900 @ 60Hz

Test Pattern: R, G, B, Color Intensities Pattern and 16 Gray Scale Pattern

- Check and see if each color is normal and distinguishable.
- If not, please return the unit to repair area.

- **Screen Uniformity and Flicker**

Test Signal: 1440x900 @ 60Hz

Test Pattern: Full White Pattern

- Check and see if it is in normal condition.

- **Dead Pixel and Line**

Test Signal: 1440x900 @ 60Hz

Test Pattern: Dark and White Screen Pattern

- Check and see if there are dead pixels on LCD panel with shadow gauge and filter film.
- The total numbers and distance of dead pixels should be compliant with the spec.

- **Mura**

Test Pattern: White, RGB, Black, & Grey

Test Tool: 8% ND Filter

- Check if the Mura can pass 8% ND Filter.

- **Check for Secondary Display Modes**

Test Signal : Analog

640x350@70Hz	640x480@60HZ / 75HZ	720x400@70Hz
800x600@60HZ / 75HZ	832x624@75Hz	1024x768@60HZ / 75HZ
1280x768@60HZ / 75HZ	1280x1024@60HZ / 75Hz	1440x900 @ 75Hz

- Normally when the primary mode 1440x900 @ 60Hz is well adjusted and compliant with the specification, the secondary display modes will be great possible to be compliant with the spec. But we still have to check with the general test pattern to make sure every secondary is compliant with the specification.

- **Memory Recall**

After final QC step, we have to erase all saved changes again and restore the factory defaults. You should do “**Memory Recall**” again.

- **Power Off Monitor**

Turn off the monitor by pressing “Power” button.

5-3. Firmware Upgrade Procedure

When you receive the returned monitor, please check whether the firmware version is the latest. If not, please do the following procedures to upgrade it to the latest version.

5-3-1. Equipment Needed

- VA1703w / wb-1 Monitor
- Fixture for Firmware Upgrade
- VGA Cable
- PC (Personal Computer)
- ISP Tool
- Firmware Upgrade Program
- One additional monitor for checking the program execution

5-3-2. ISP tool instruction



15 pin D-Sub



LPT cable



ISP tool



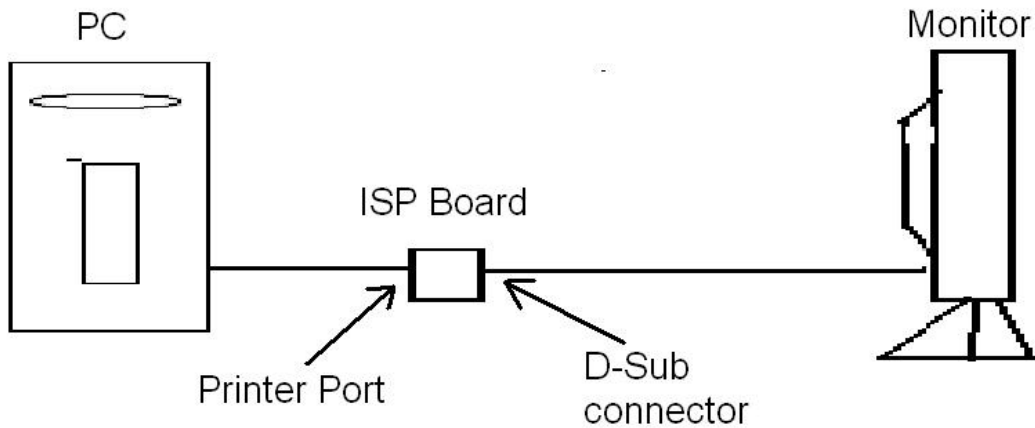
Use 12V adapter



ISP connect method

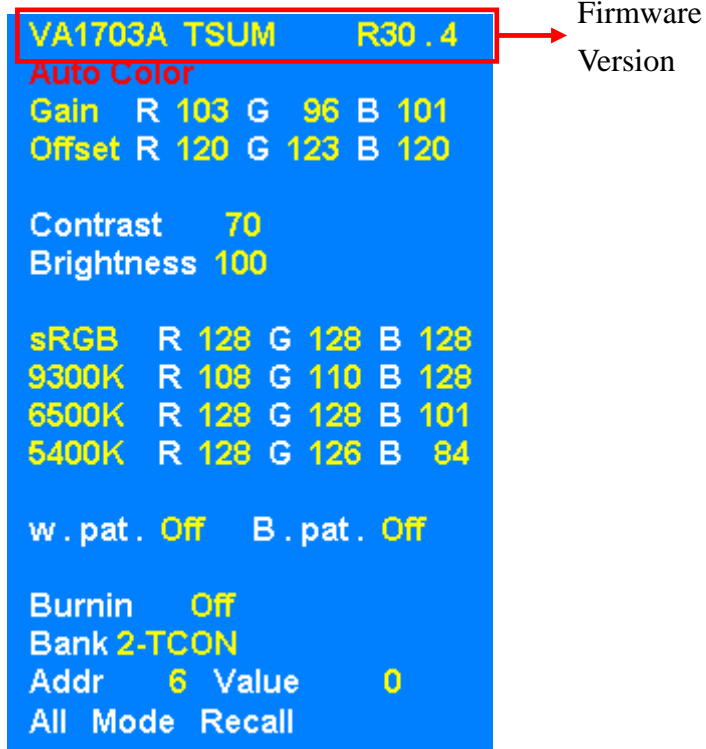
5-3-3. ISP Download program procedure

- **Hardware Connect status:**



- **Firmware Version update**

1. Check : Monitor model
2. Check : Firmware version



Factory Mode :

- a. Hold on [2] + [U] **with signal** (hold for 3 seconds) into the factory mode.
 - b. Press [U] key exit factory mode.
3. Update final firmware version (Refer to Chapter 5-3-4.)

Example :

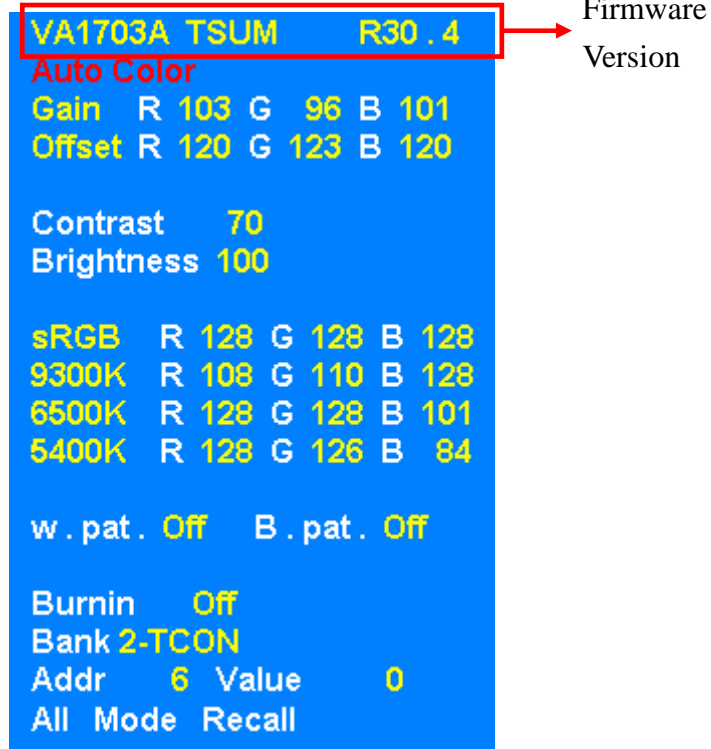
1. Check : Monitor model : VA1703w / wb-1
2. Check : Firmware version : VA1703wb_ AL_HSD170MGW1A00R30.3
3. Update final firmware version : VA1703wb_ AL_HSD170MGW1A00R30.4

Panel type : **170MGW1A00**

Firmware version : **R30.4**

- **Change Main Board (Version update)**

1. Check : Monitor model
2. Check : Firmware version



Factory Mode :

- a. Hold on [2] + [U] **with signal** (hold for 3 seconds) into the factory mode.
 - b. Press [U] key exit factory mode.
3. Change scaler board.
 4. Update final firmware version. (Refer to Chapter 5-3-4.)
 5. Update EDID code. (Refer to Chapter 5-3-5.)

5-3-4. Mstar scaler ISP function

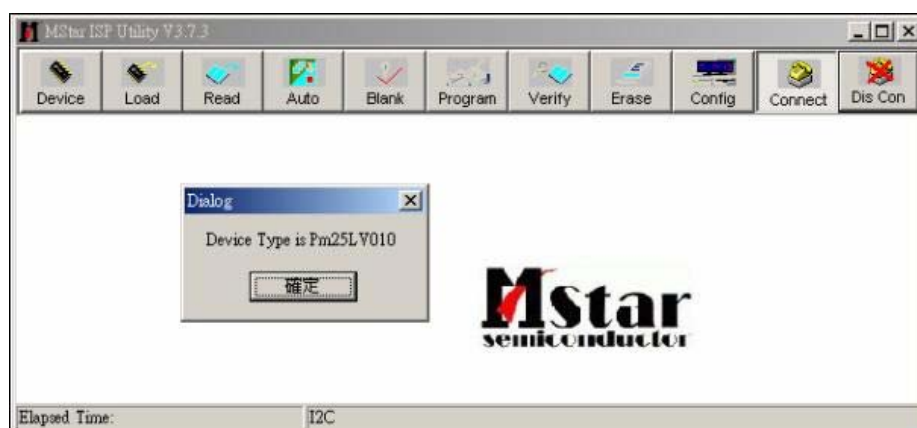
1. Enforce Mstar ISP_Tool program.



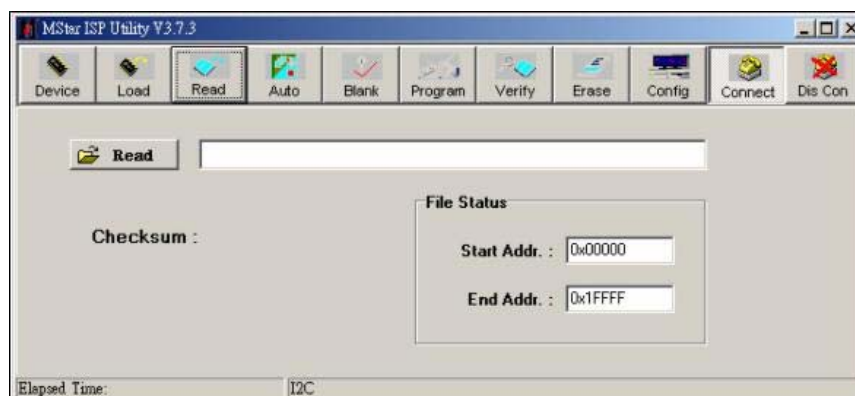
2. After Enforcing Mstar ISP_Tool Program, open Utility Window.



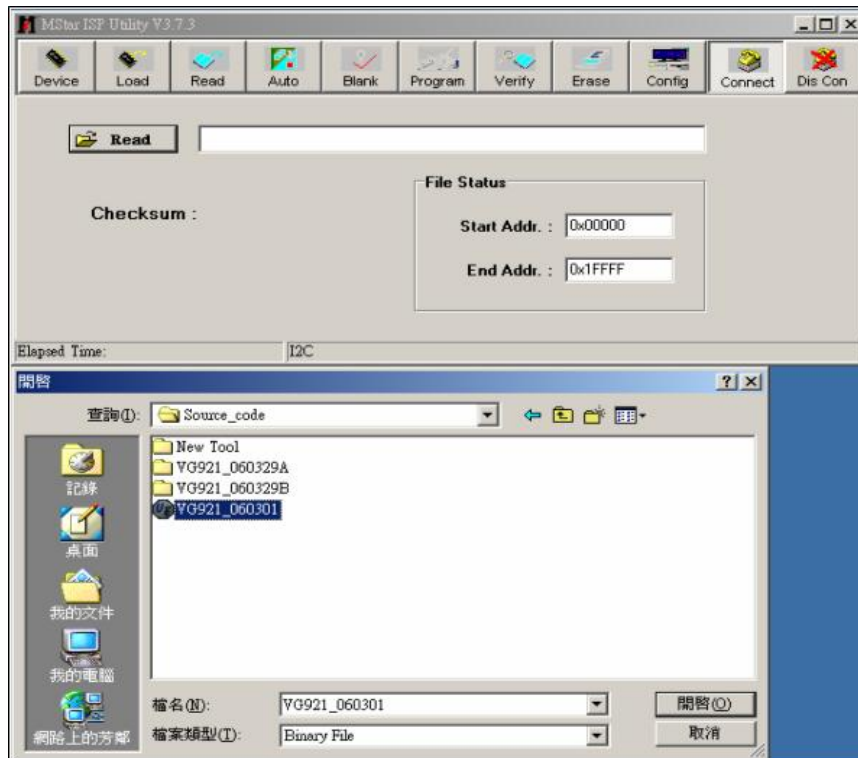
3. Enforce Mstar ISP Utility Window's Connect function, and Device Type's Dialog window will be opened ,then press "Sure " on Dialog window.



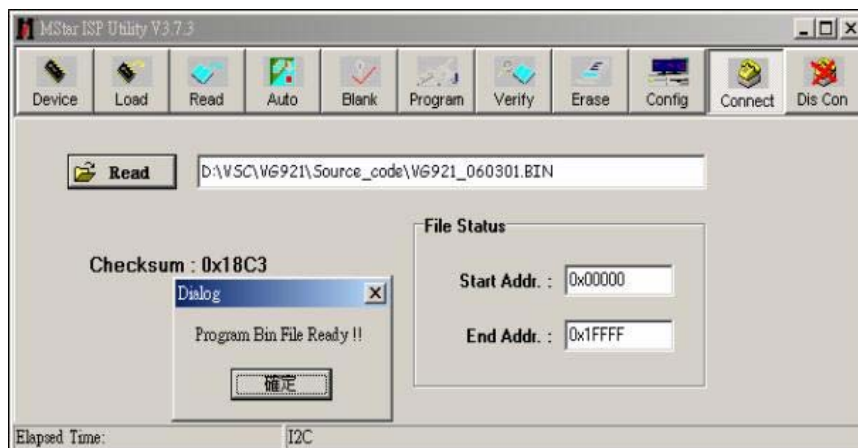
4. Enforce Mstar ISP Utility window's Read function.



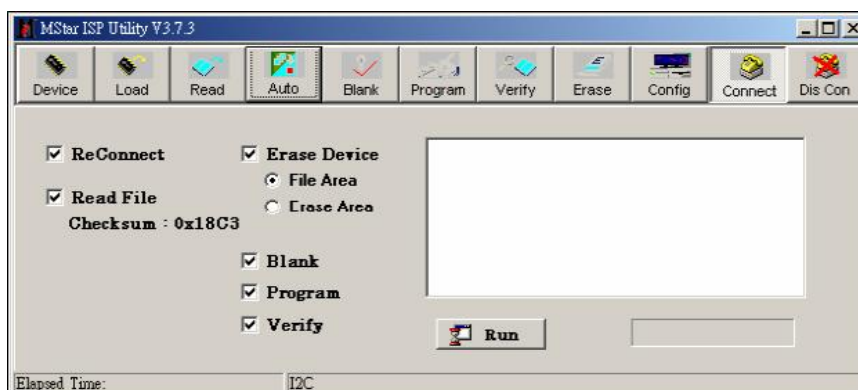
5. Choose the path and the file of Binary code. (VA1703w / wb-1 follows the same procedure)



6. Choose the path and file of Binary code ,and Program Bin Ready Dialog window will be opened, then press "Sure" on Dialog window.



7. Enforce Mstar ISP "Auto" function of Utility window.



8. Enforce Mstar ISP Utility window "Run" and write in the data .



9. After writing in the data , Enforce Dis Connect function of Mstar ISP Utility window and the burn in procedure will be completed.



DDC Key In Procedure

Note:

1. Every time after replacing the main board, you have to do the DDC key in.
2. If you find the DDC does not conform to the monitor, you have to do the DDC key in.

Equipment Needed

- VA1703w / wb-1 Series Monitor
- DDC Card
- PC
- RS232 cable
- VGA Cable or DVI Cable



DDC Card (D8330)



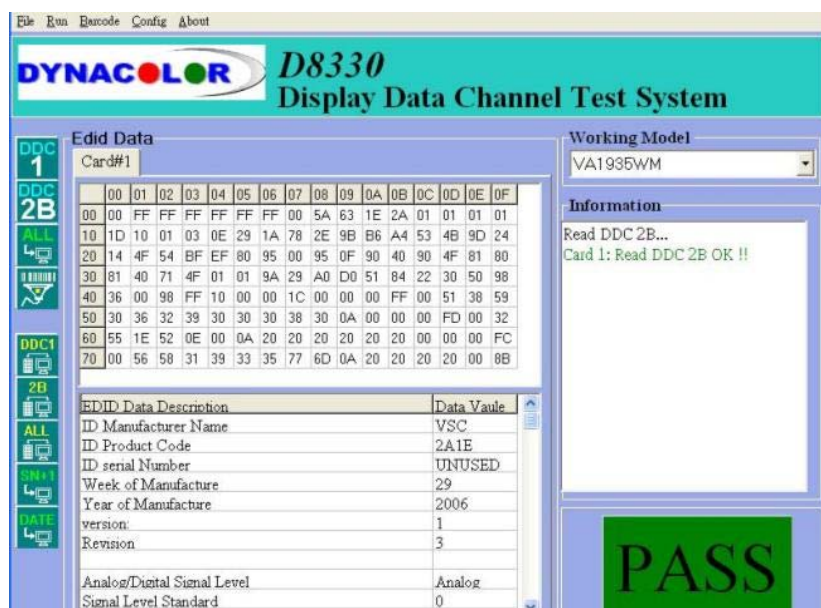
RS-232 Cable



VGA Cable

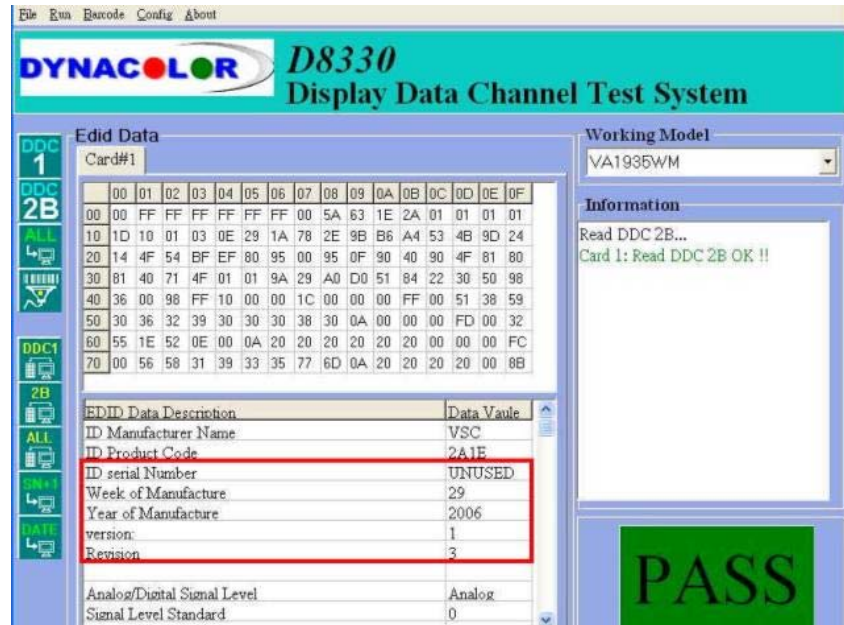
Step 1 : Select VA1703w/wb-1 in Working Model column to show EDID data on left.

Example : VX1935wm (VA1703w/wb-1 follows the same procedure)

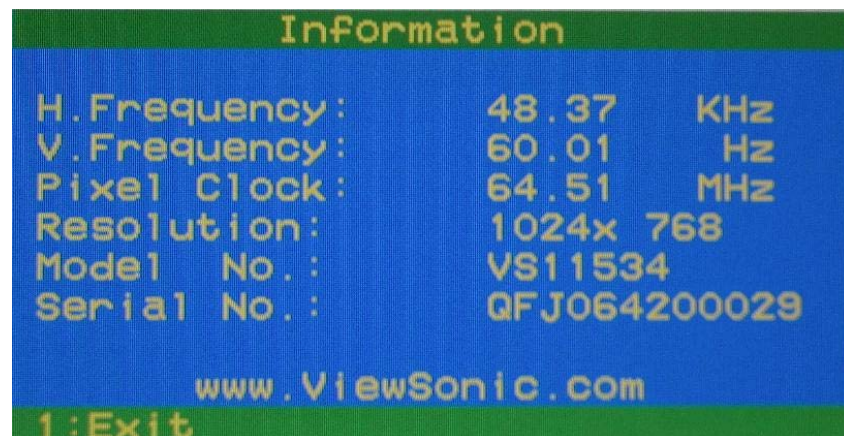


Step 2 : Modify the column of Week of Manufacture and Year of Manufacture and ID serial Number then press “2B” button for changing serial number data.

Example : VX1935wm (VA1703w/wb-1 follows the same procedure)



Step 3 : You will see the result as follows.



5- 4. Packing For Shipping And Disassembly Procedure

5-4-1. Packing For Shipping (Packing Procedure)

- Put the monitor in the PE bag and seal the bag with tape. (Figure 1 ~ 2)



(Figure 1)



(Figure 2)

- Put the cushions on the monitor.

(Figure 3)



(Figure 3)

- Put all accessories in the PE bag.

(Figure 4)

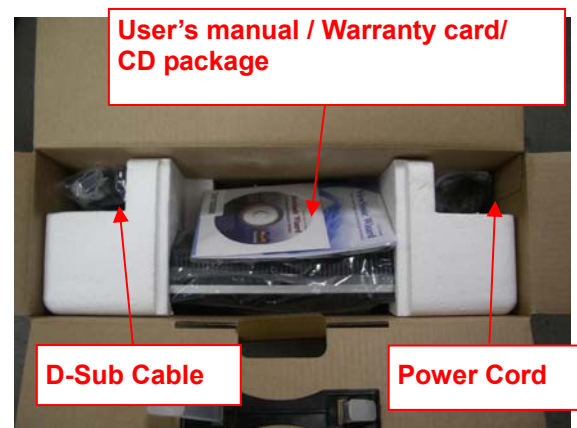


(Figure 4)

- Place the monitor into the carton and then put all the accessories into the carton. At last, close the carton and seal it with tape. (Figure 5 ~ 6)



(Figure 5)



(Figure 6)

5-4-2. Disassembly Procedure



1.Remove the base.



2.Remove the hinge cover.



3.Hinge Cover.



4.Unfasten 4 pcs of screws to remove base.



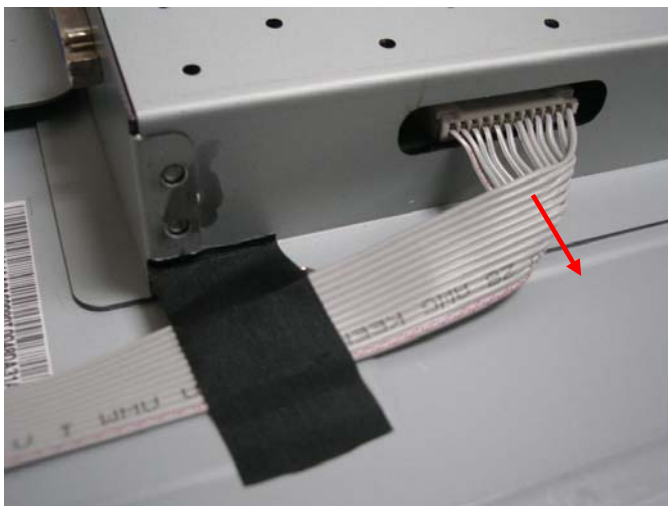
5. Base Set.



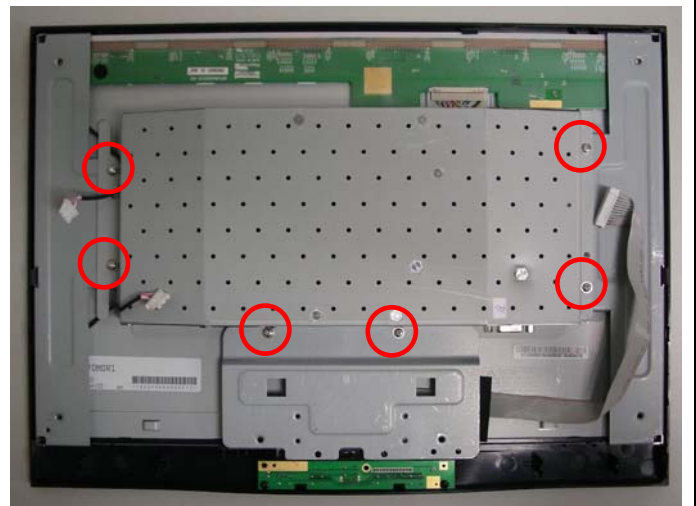
6.Unfasten 7 pcs of screws with back cover.



7. Separate the Cover from the bottom of the Housing by using a Flat tool to remove back cover.



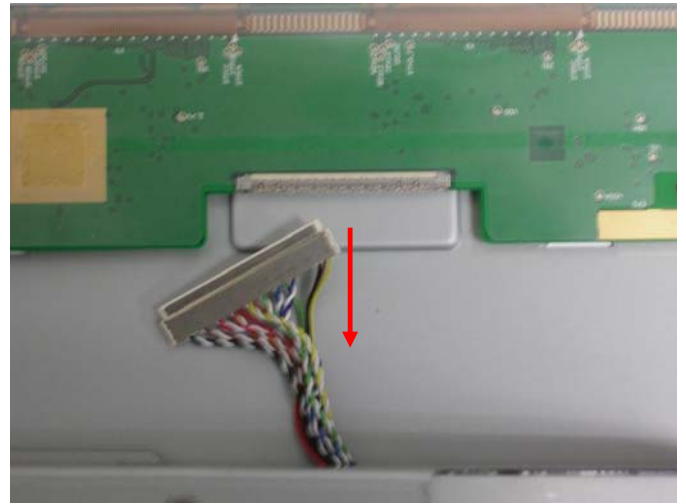
10. Tear off the tape and disconnect the cable of Main board.



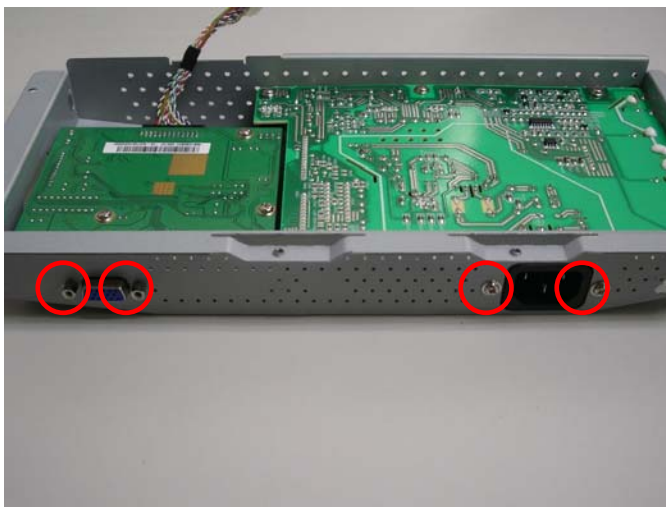
11. Unfasten 6 pcs of screws with Shielding and remove Hinge Bracket.



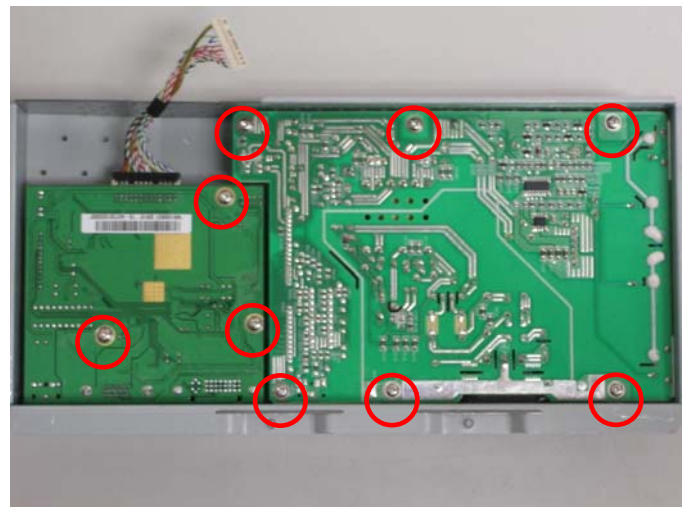
12.Hinge Bracket .



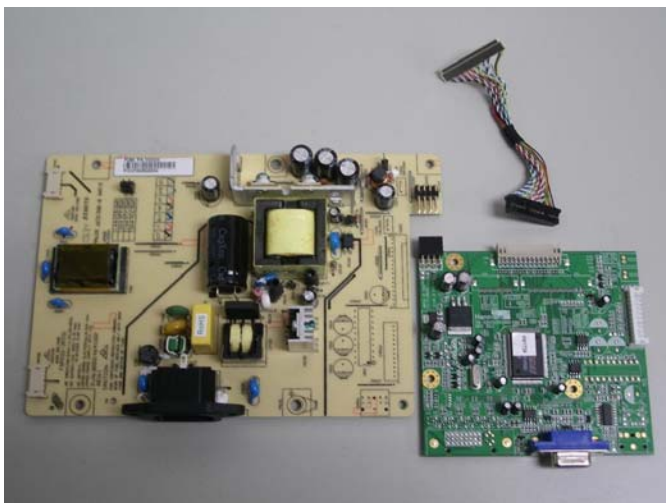
13. Disconnect the cable of Panel.



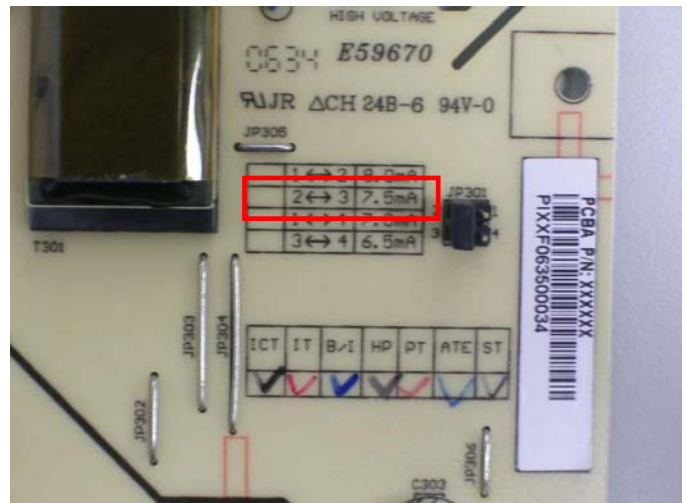
14.Unfasten 4 pcs of screws with Shielding.



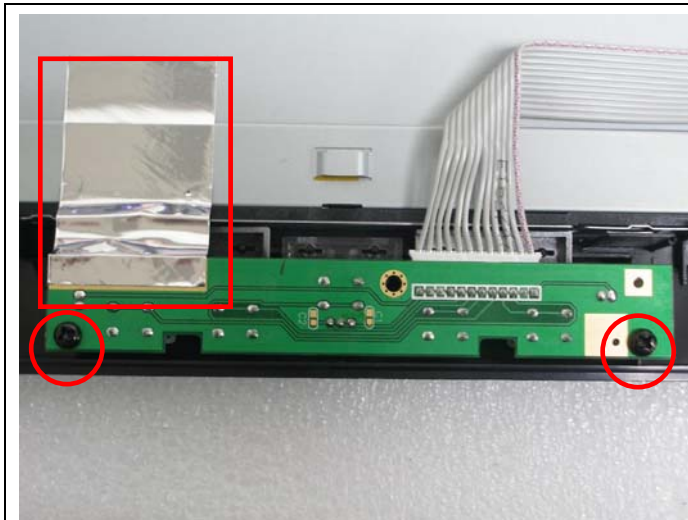
15.Unfasten 9 pcs of screws to remove P/I board and Main board.



16.P/I Board ; Main Board ; Panel cable.



17.Set the short pin before changing new P/I board.



18.Tear off the AL foil tape and unfasten 2 pcs of screws to remove Key board .



19.Key Board ; Key cable.



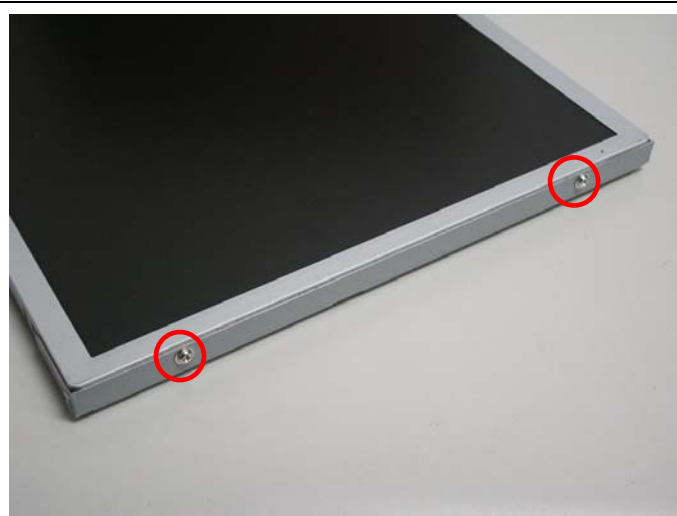
20.Pull and open the fixed support to remove Front Bezel.



21.Bezel .



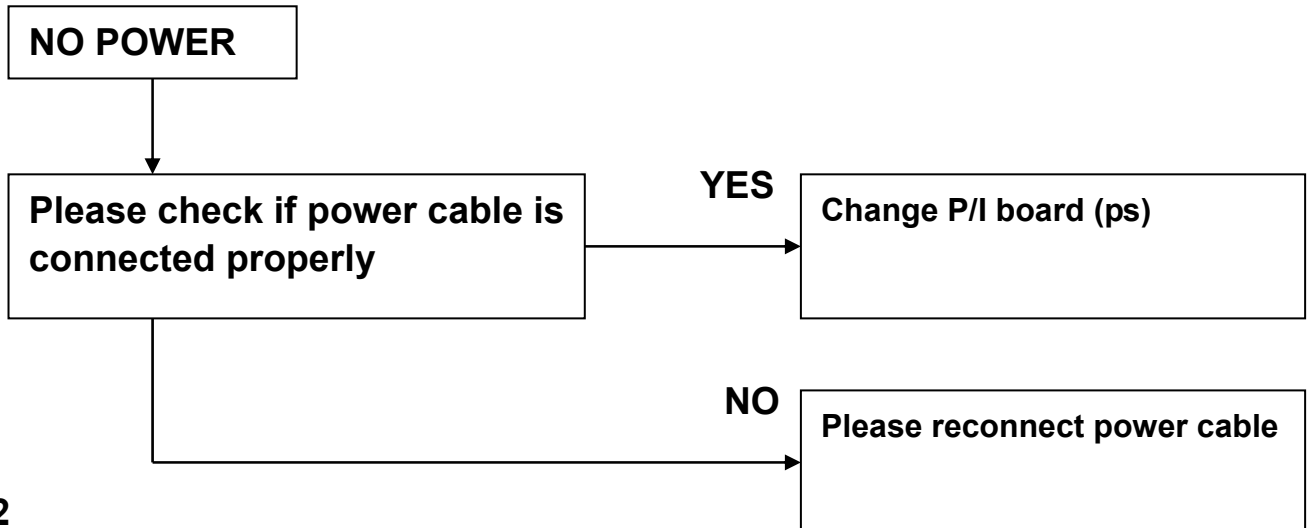
22.Unfasten 2 pcs of screws to remove Panel bracket_L .



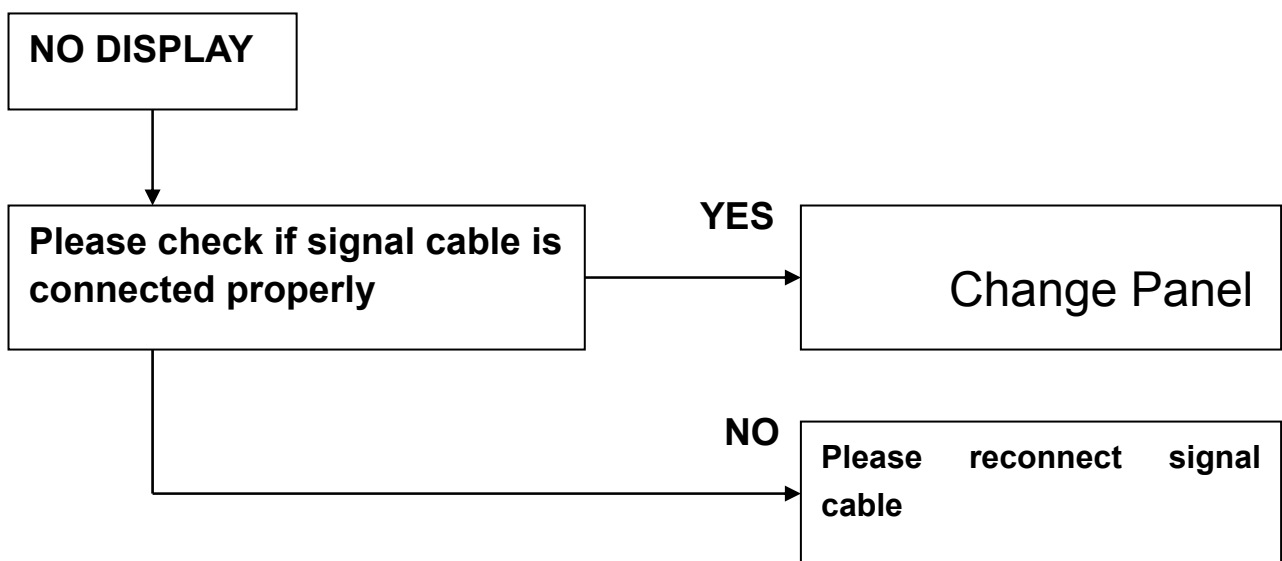
23.Unfasten 2 pcs of screws to remove Panel bracket_R .

6. Troubleshooting Flow Chart

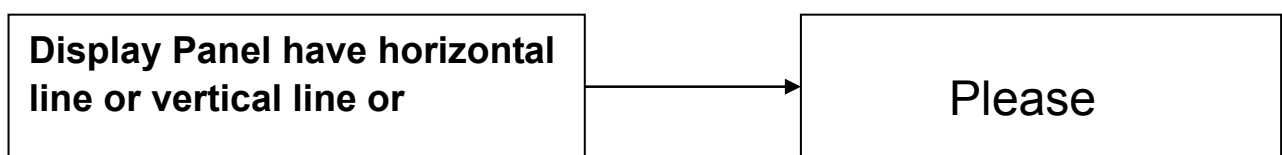
Q1



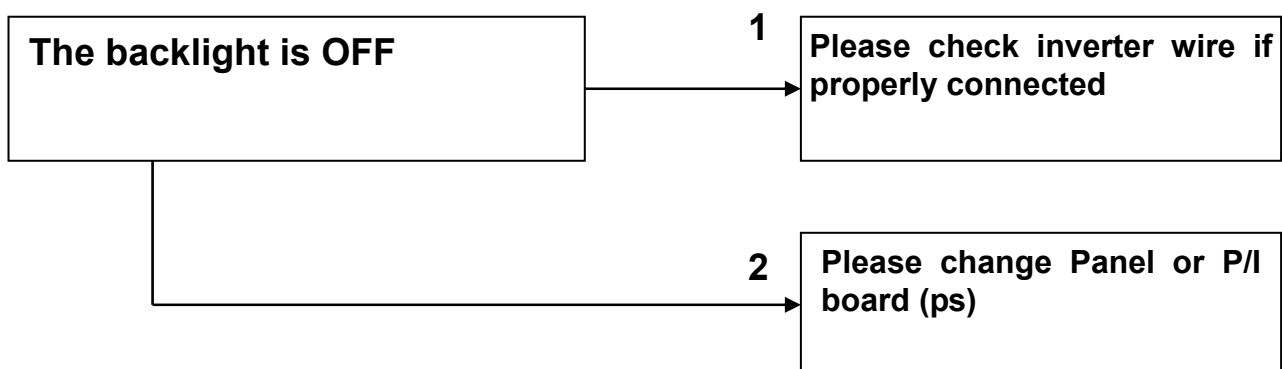
Q2



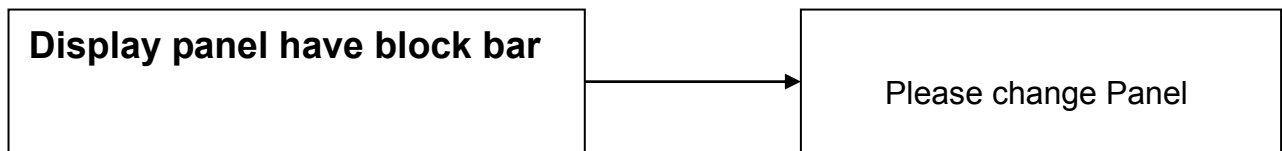
Q3



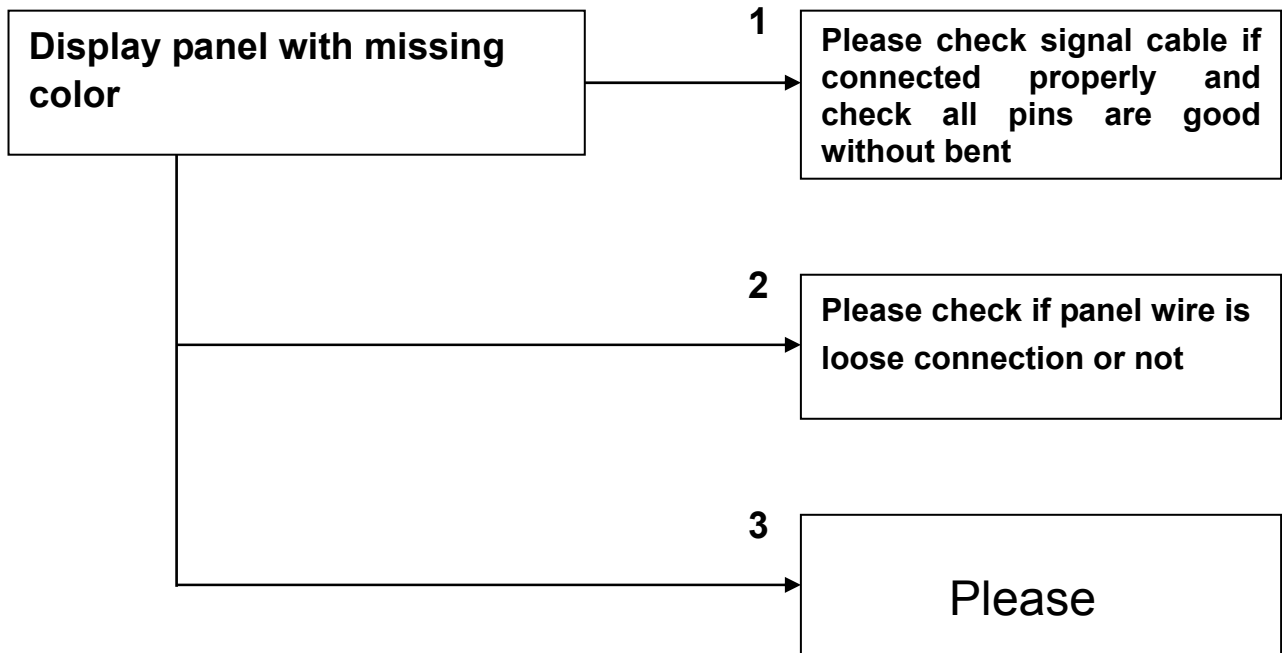
Q4



Q5

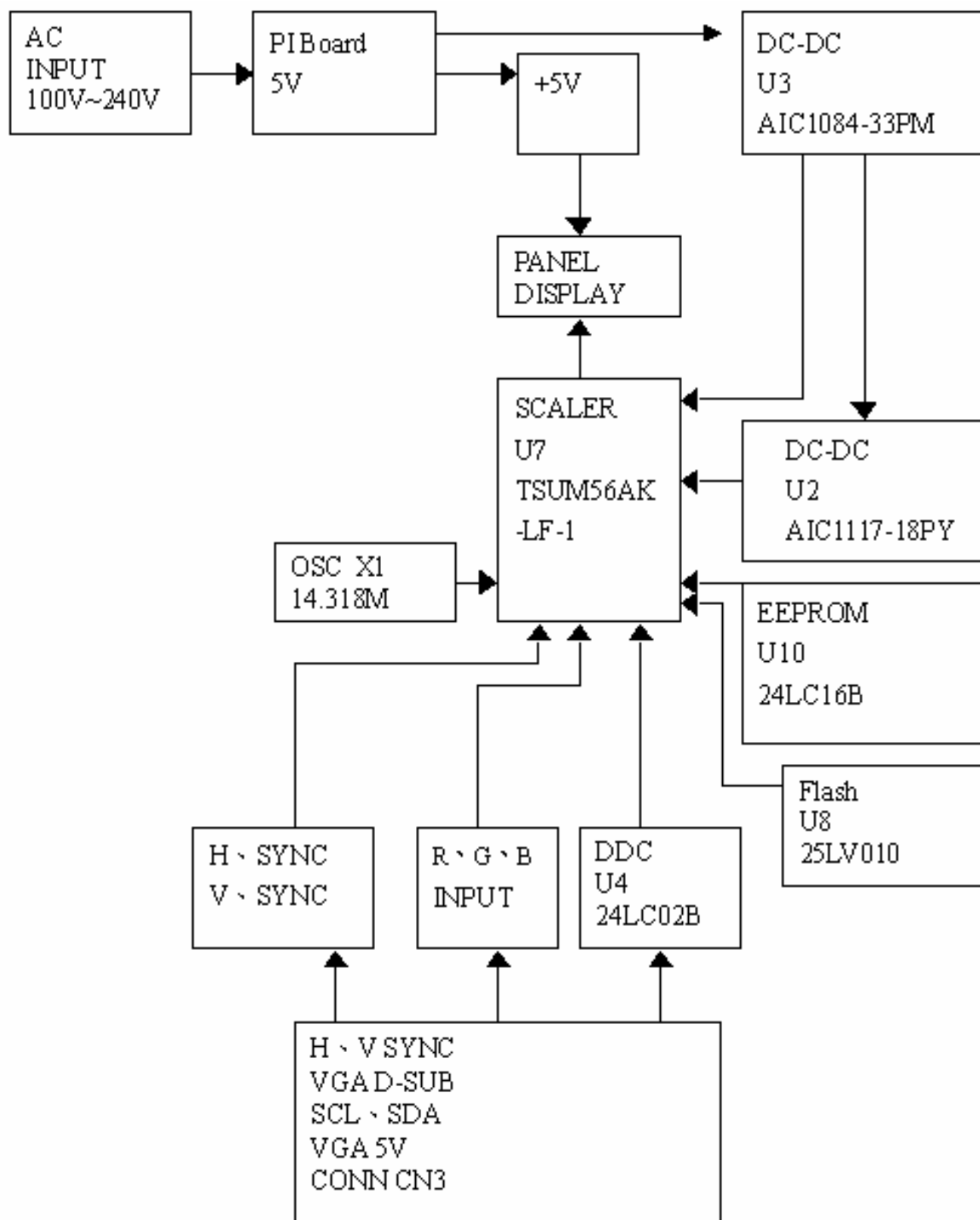


Q6



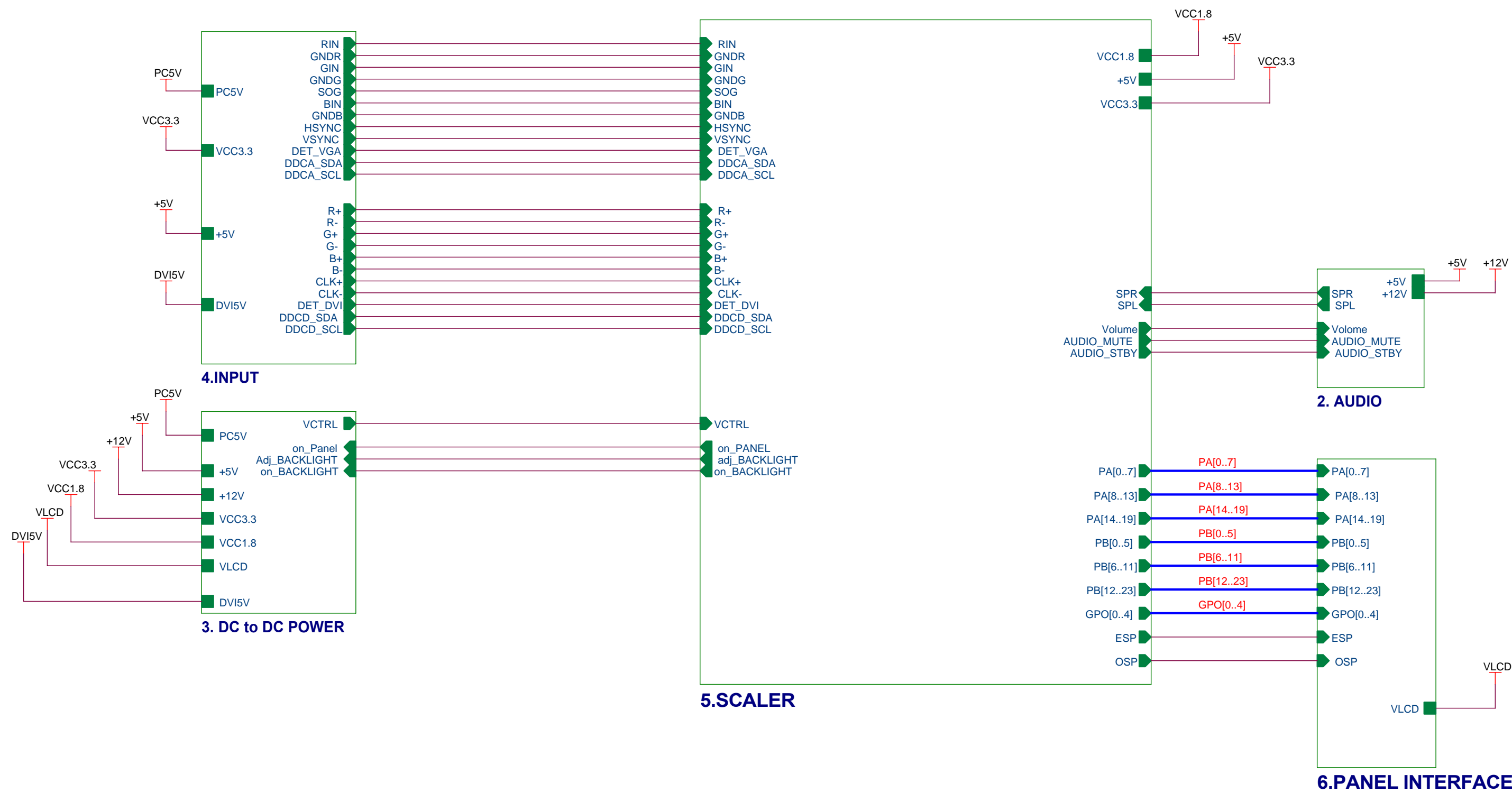
(ps) : P/I board → Power/Inverter board

7. Block Diagram

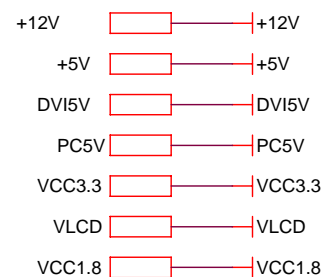
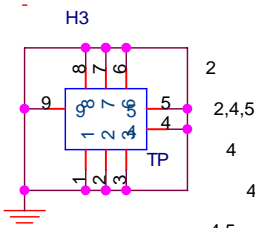
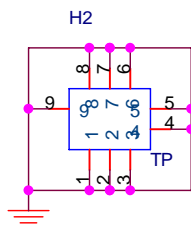
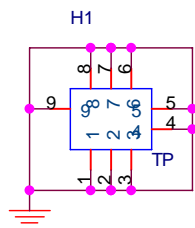
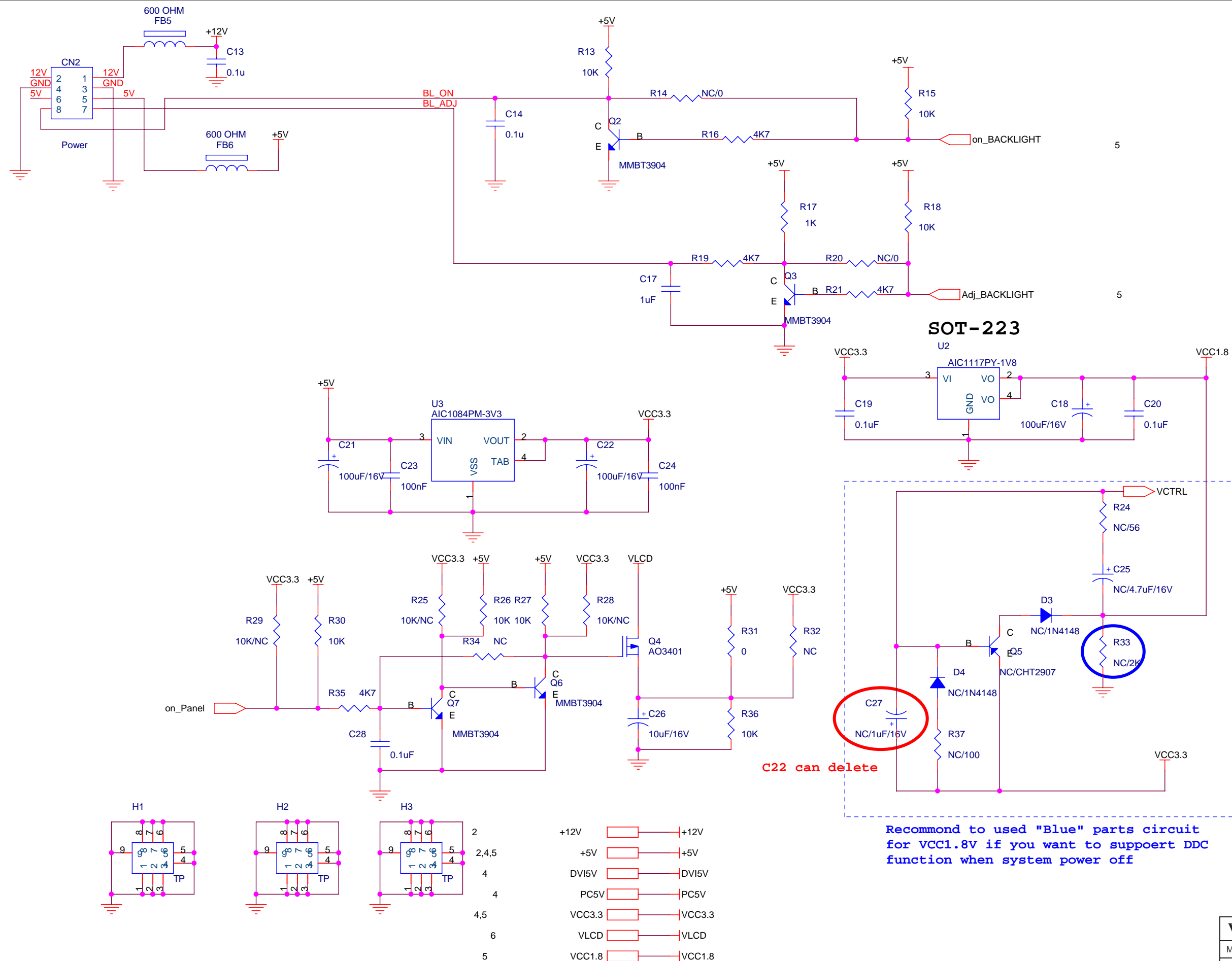


M03 TSUM56/57AK SCHEMATIC

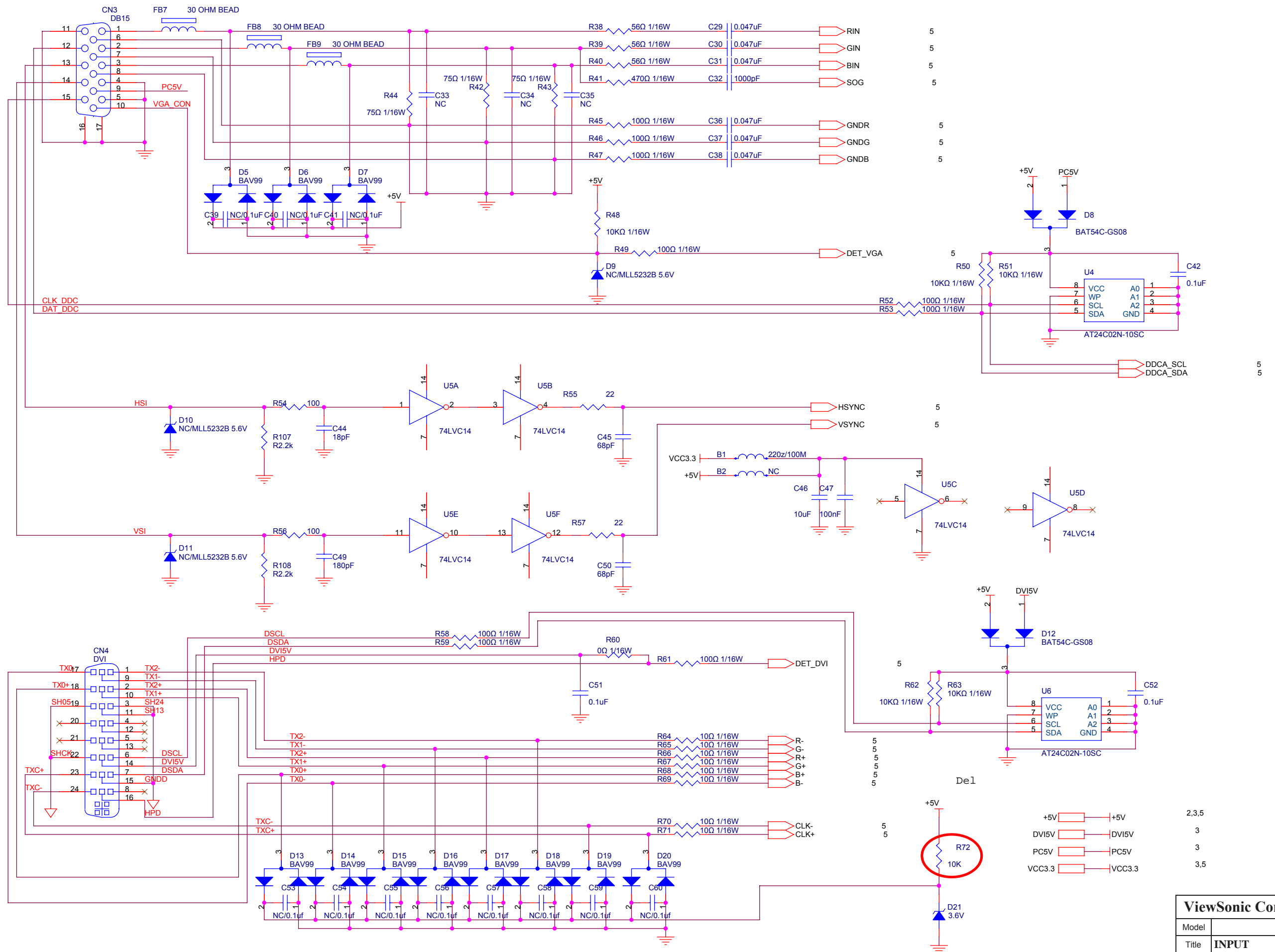
XGA/SXGA RSDS/LVDS OUTPUT



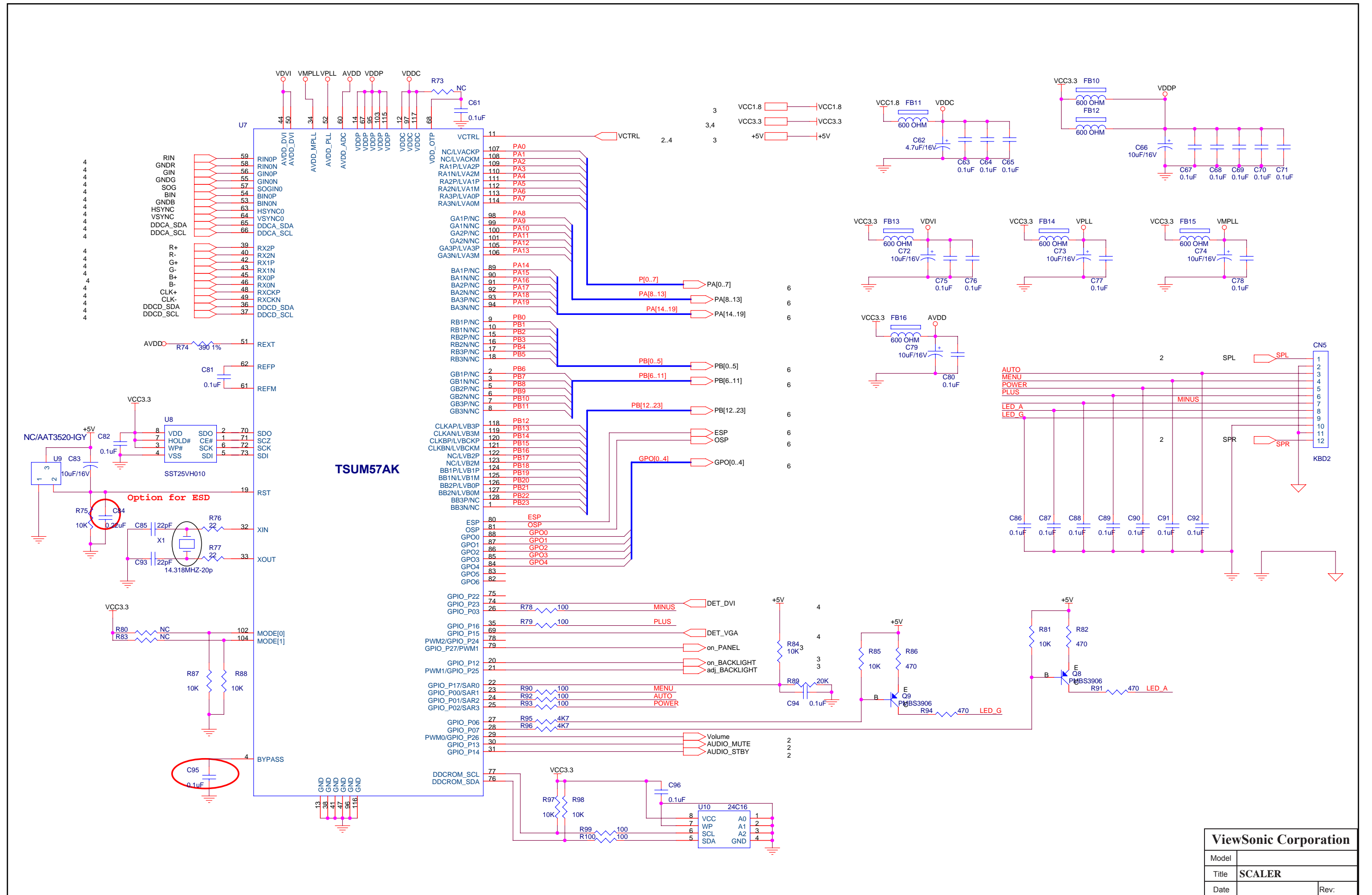
ViewSonic Corporation		
Model		
Title	Block diagram	
Date		Rev:

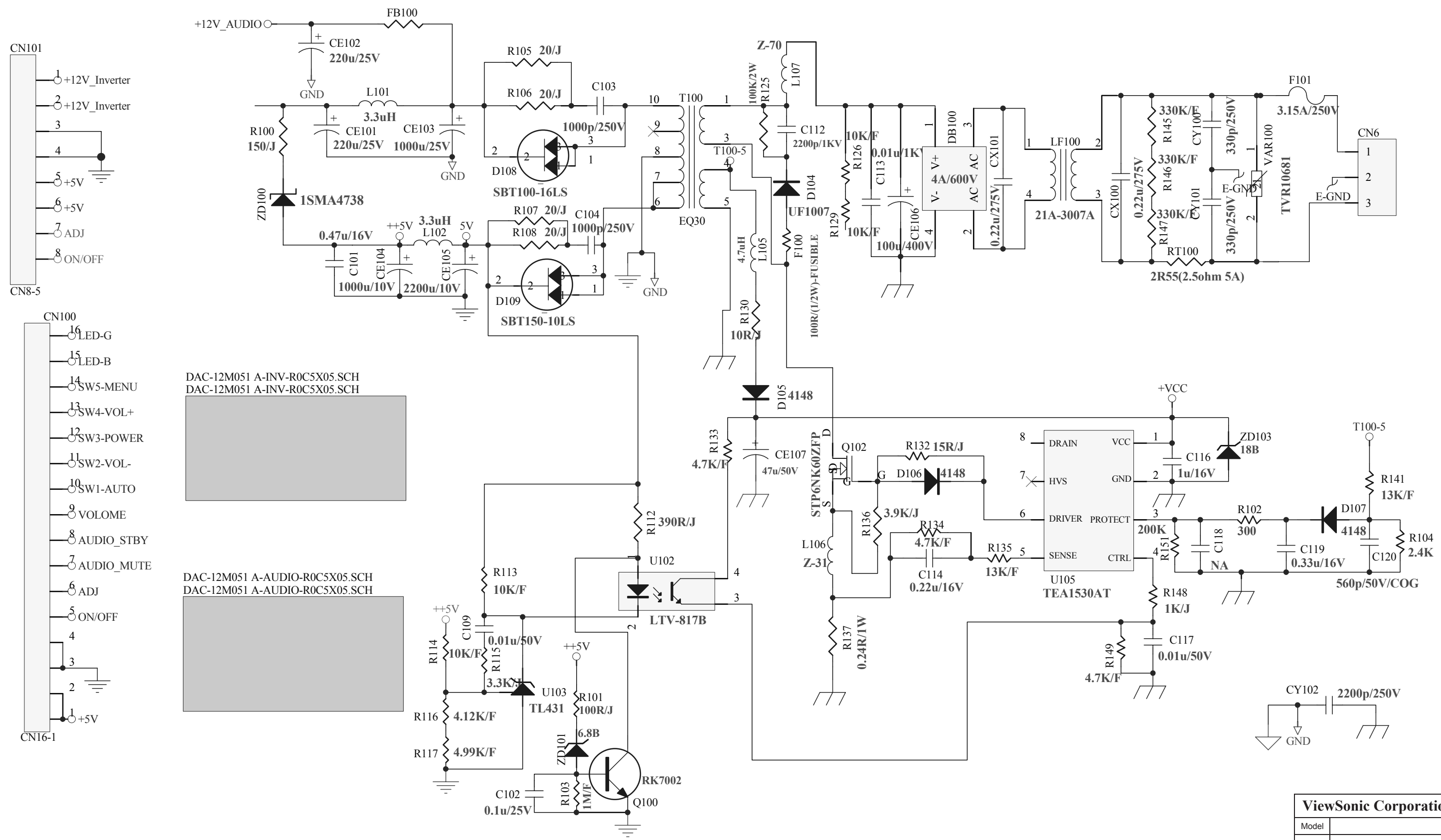


ViewSonic Corporation		
Model		
Title	POWER	
Date		Rev:

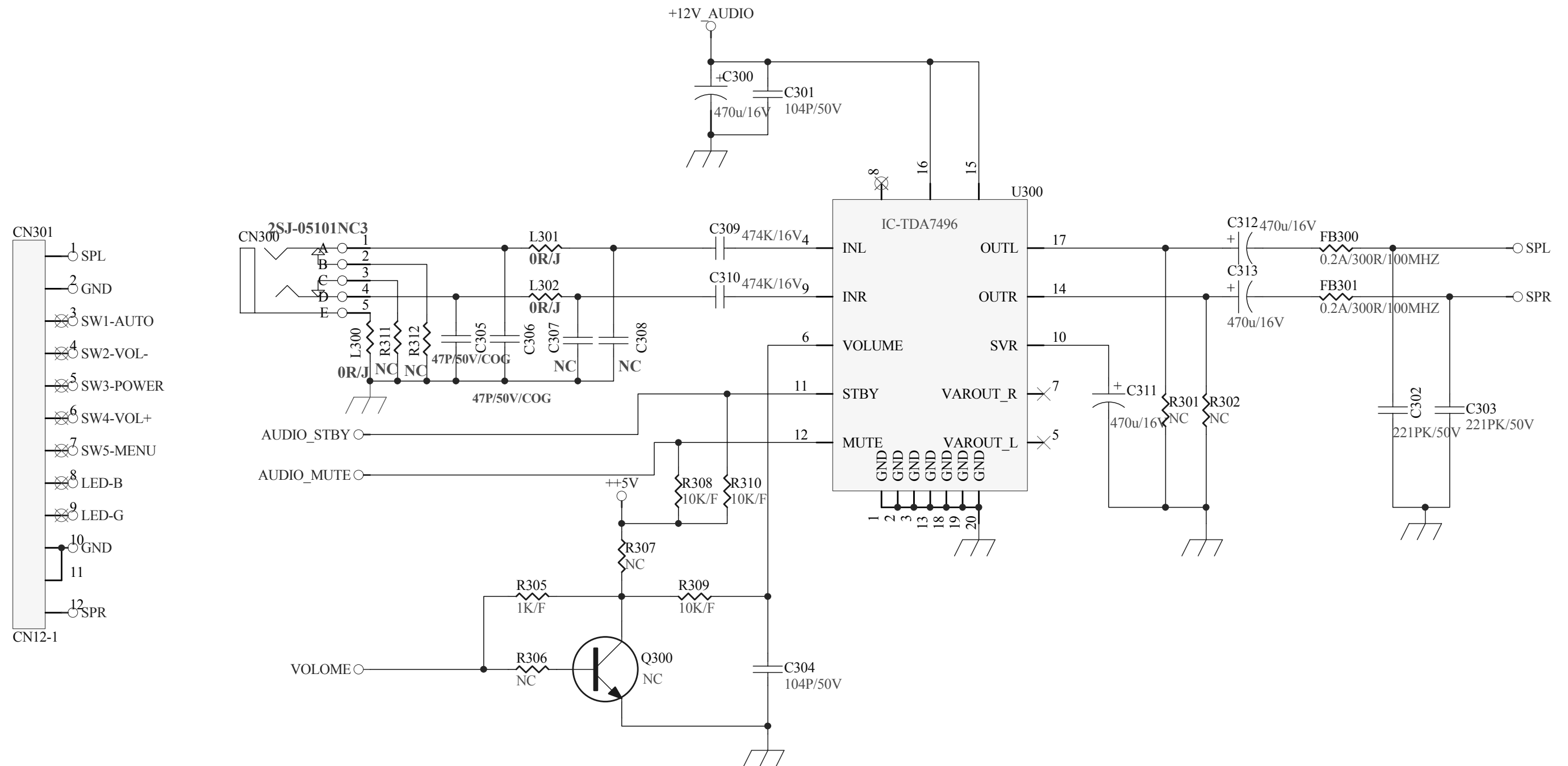


ViewSonic Corporation	
Model	
Title	INPUT
Date	Rev.

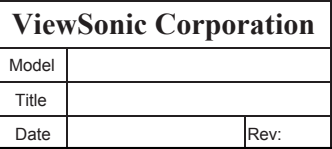


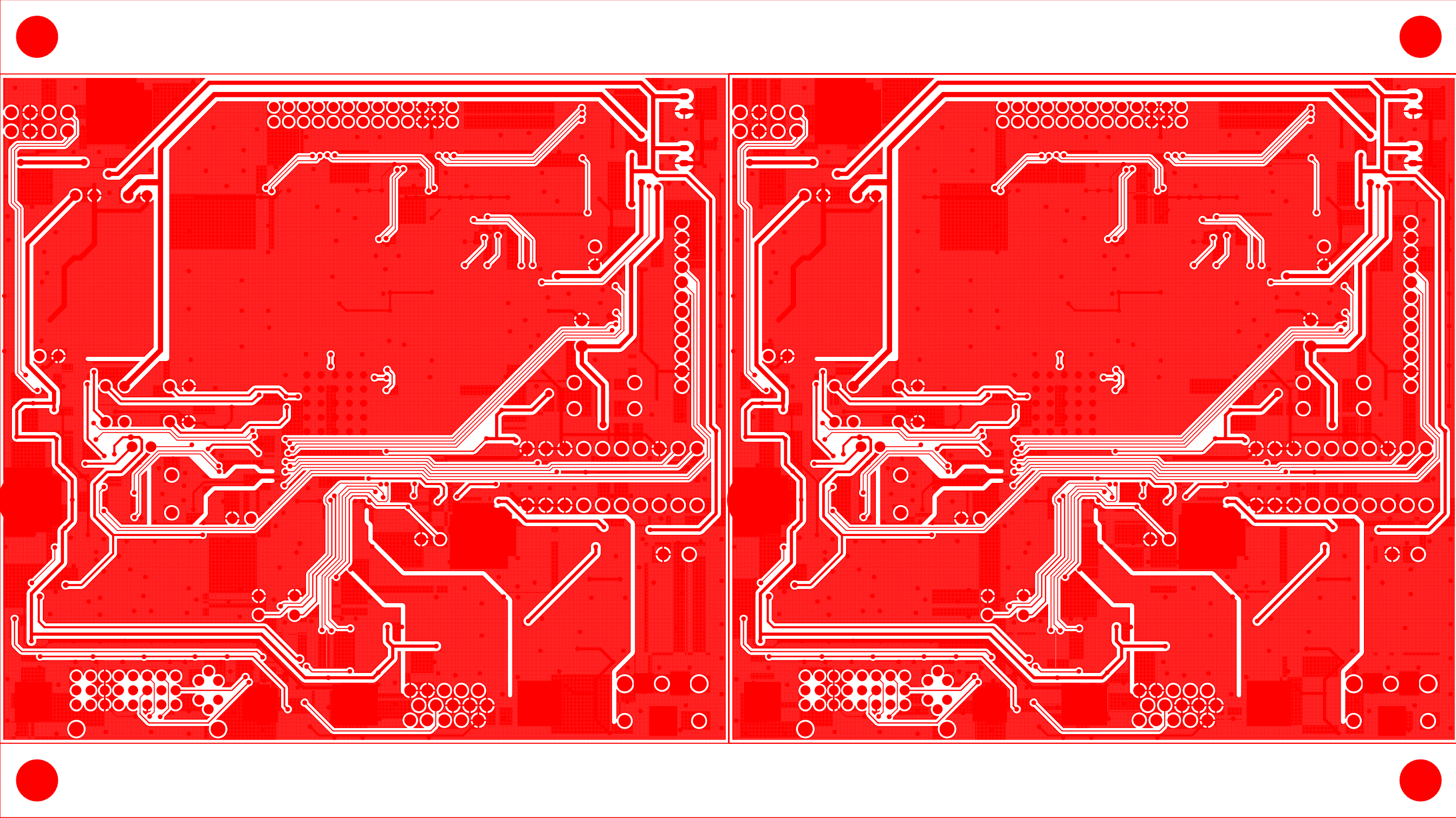


ViewSonic Corporation	
Model	
Title	
Date	Rev.



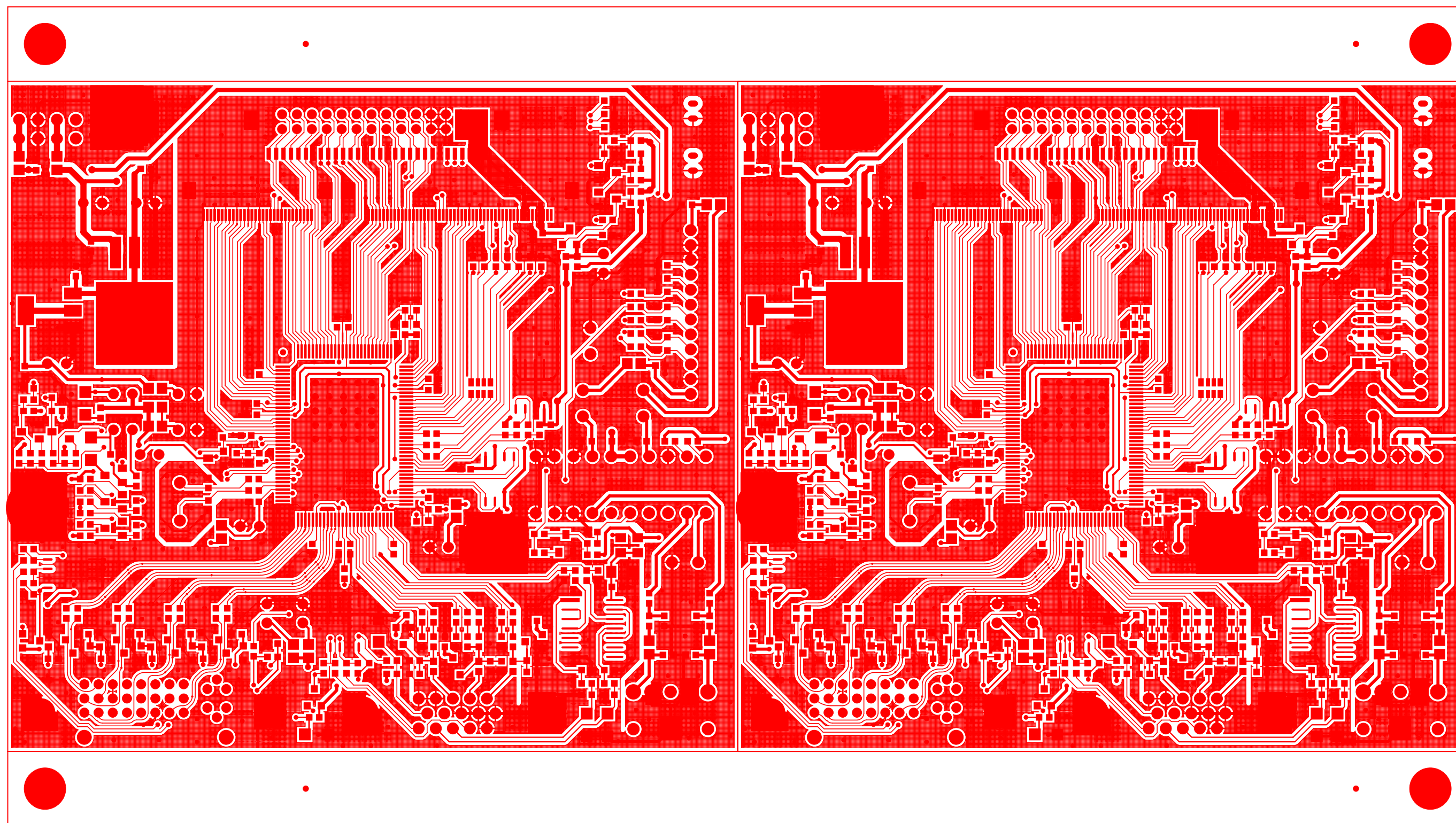
ViewSonic Corporation		
Model		
Title		
Date		Rev:





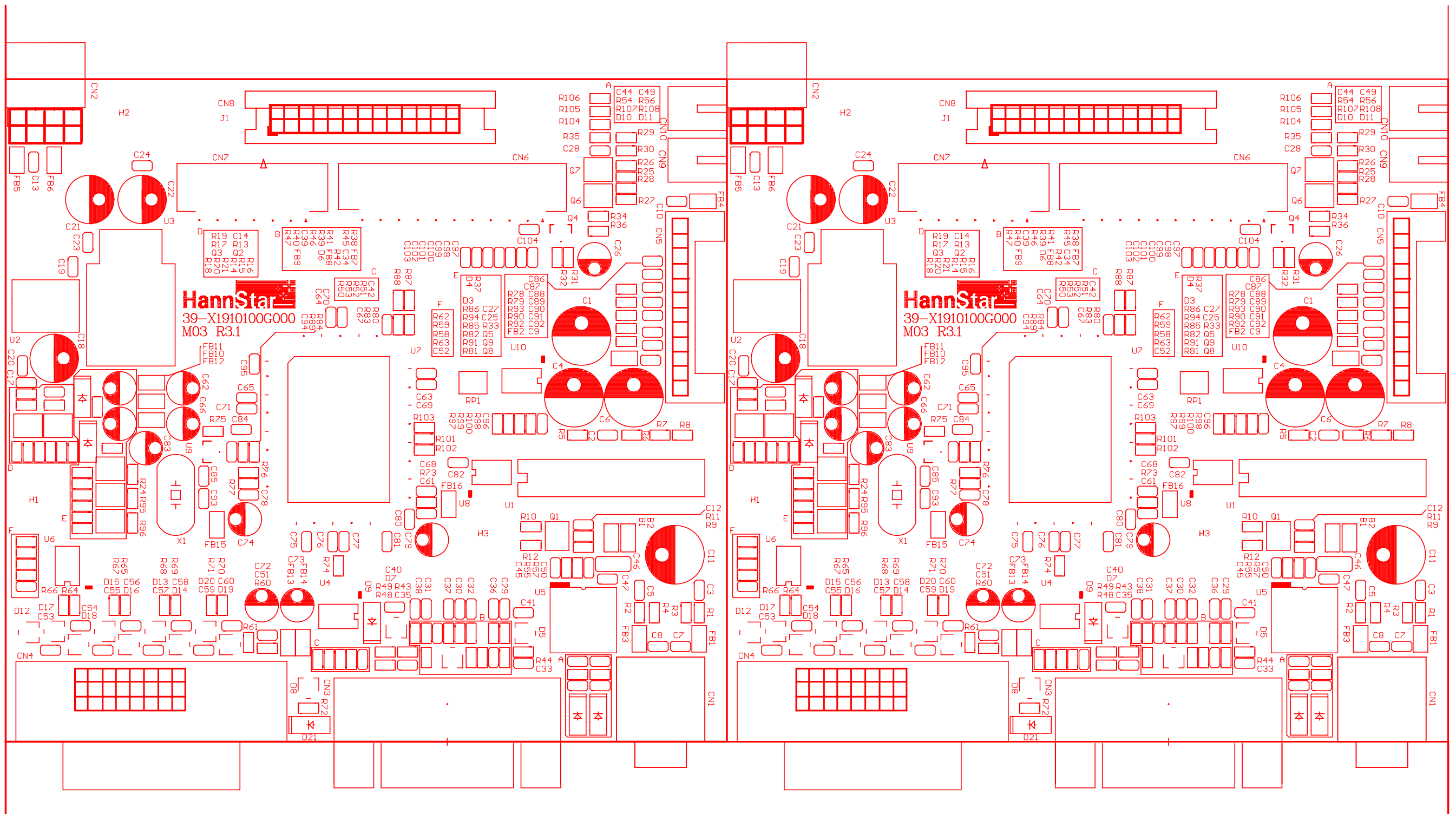
BottomLayer

ViewSonic Corporation		
Model		
Title		
Date		Rev:



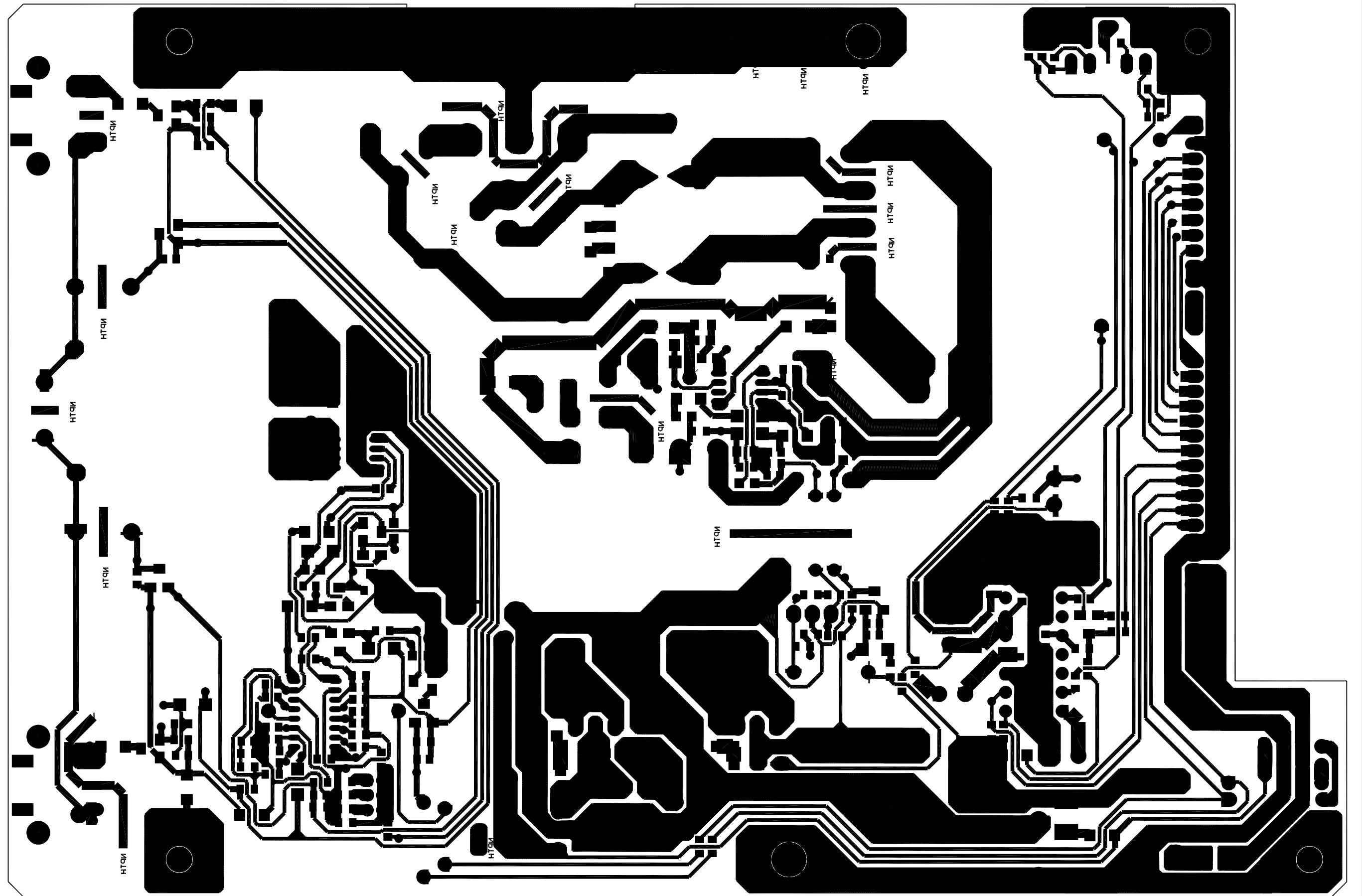
TopLayer

ViewSonic Corporation		
Model		
Title		
Date		Rev:

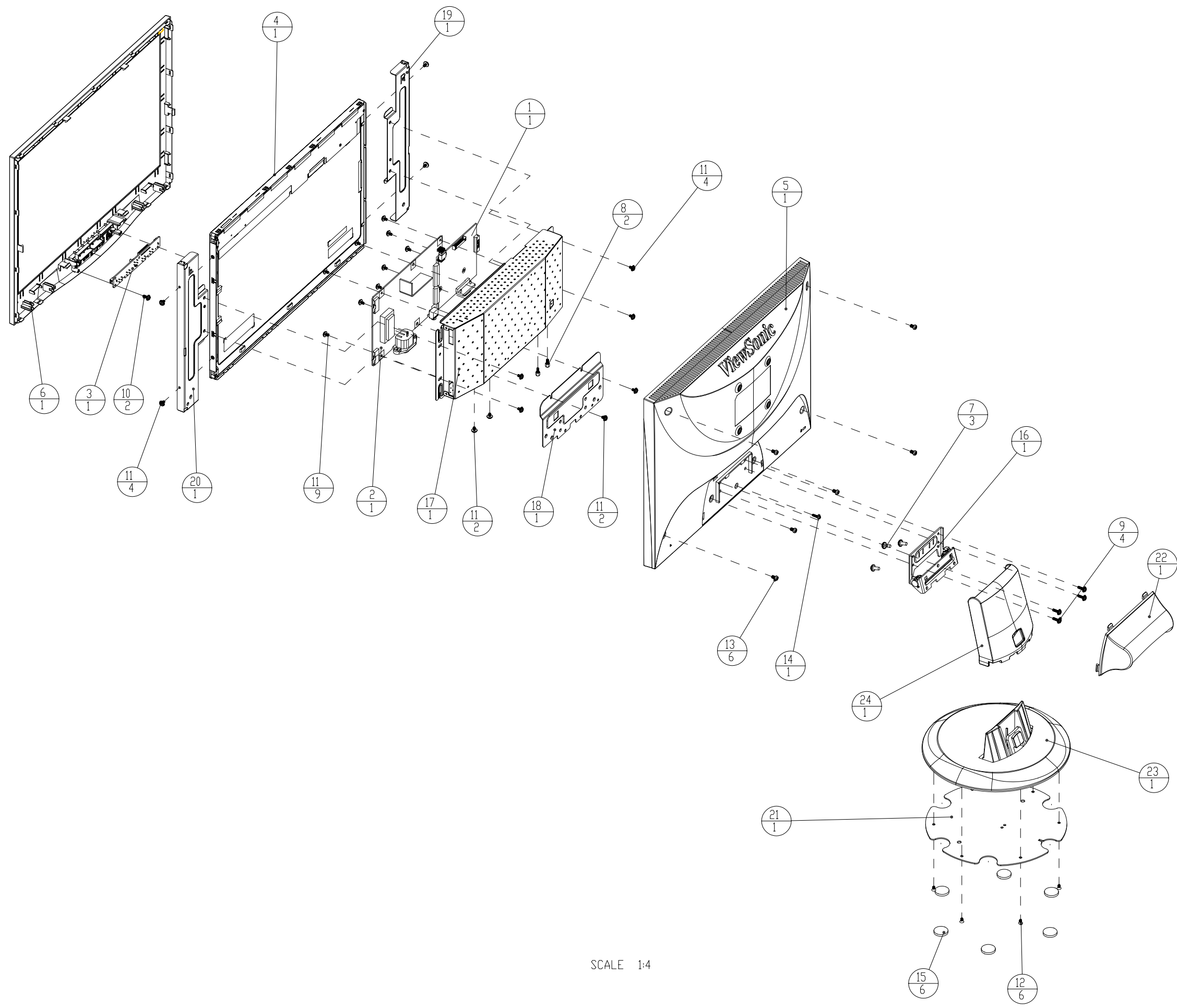


Top Overlay

ViewSonic Corporation	
Model	
Title	
Date	Rev.



10. Exploded Diagram and Exploded Parts List



SCALE 1:4

EXPLODED PARTS LIST (VA1703W-1)

ViewSonic Model Number: VS11534

Rev: 1a

Serial No. Prefix: QFJ

Item	ViewSonic P/N	Ref. P/N	Description	Q'ty
1	C-00008244	40-05010031G100	VA1703w Arm ABS-HB Black 2nd	1
2	PL-00008073	40-06010030G100	VA1703w Base ABS-HB Black 2nd	1
3	C-00008245	40-07010009G100	VA1703w Hinge Cover ABS-HB Black 2nd	1
4	N/A	41-03010040G000	VA903 Base Bracket SECC T=1.6mm	1
5	N/A	41-03010063G000	HW173 PANEL BRACKET L	1
6	N/A	41-03010064G000	HW173 PANEL BRACKET R	1
7	N/A	41-03010065G001	VA1703 HINGE BRACKET SECC	1
8	N/A	41-04010029G000	HW173A SHIELDING	1
9	N/A	41-07010025G000	VA903 Hinge SECC=2mm	1
10	PL-00008001	42-02110002G000	HU171 Rubber Foot Black	6
11	N/A	43-01031004G010	SCREW T3x10 PAN BZ Tap	1
12	N/A	43-01040604G001	Screw M4x6 PAN BZ, Me,	6
13	N/A	43-04030602G010	Screw M3*6 Flat Ni Tap	6
14	N/A	43-12030502G000	SCREW M3*5 ROUND WASHER NI ME	21
15	N/A	43-12030805G010	SCREW M3*8 ROUND WASHER CZ TAP	2
16	N/A	43-12031002G000	SCREW M3x10 ROUND WASHER Ni Me	4
17	N/A	43-90000052G110	PHW+LWM4-18x10 TP-B Ni (washer Tap)	3
18	N/A	43-90000052G110	PHW+LWM4-18x10 TP-B Ni (washer Tap)	3
19	C-00008242	45-01A17001G100	VA1703w Bezel Sub-Assy Silver 2nd	1
20	C-00008243	45-02A17001G100	VA1703w Backcover Sub-Assy Black 2nd	1
21	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-	1
22	B-00008233	70-V1703000G001	VA1703 KEY BOARD ASS'Y (w/o speakers)	1
23	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 8.0mA/32W(FSP)	1
24	B-00008234	70-V7030102G500	VA1703 MB AL-NA ASS'Y(Sirtec)	1

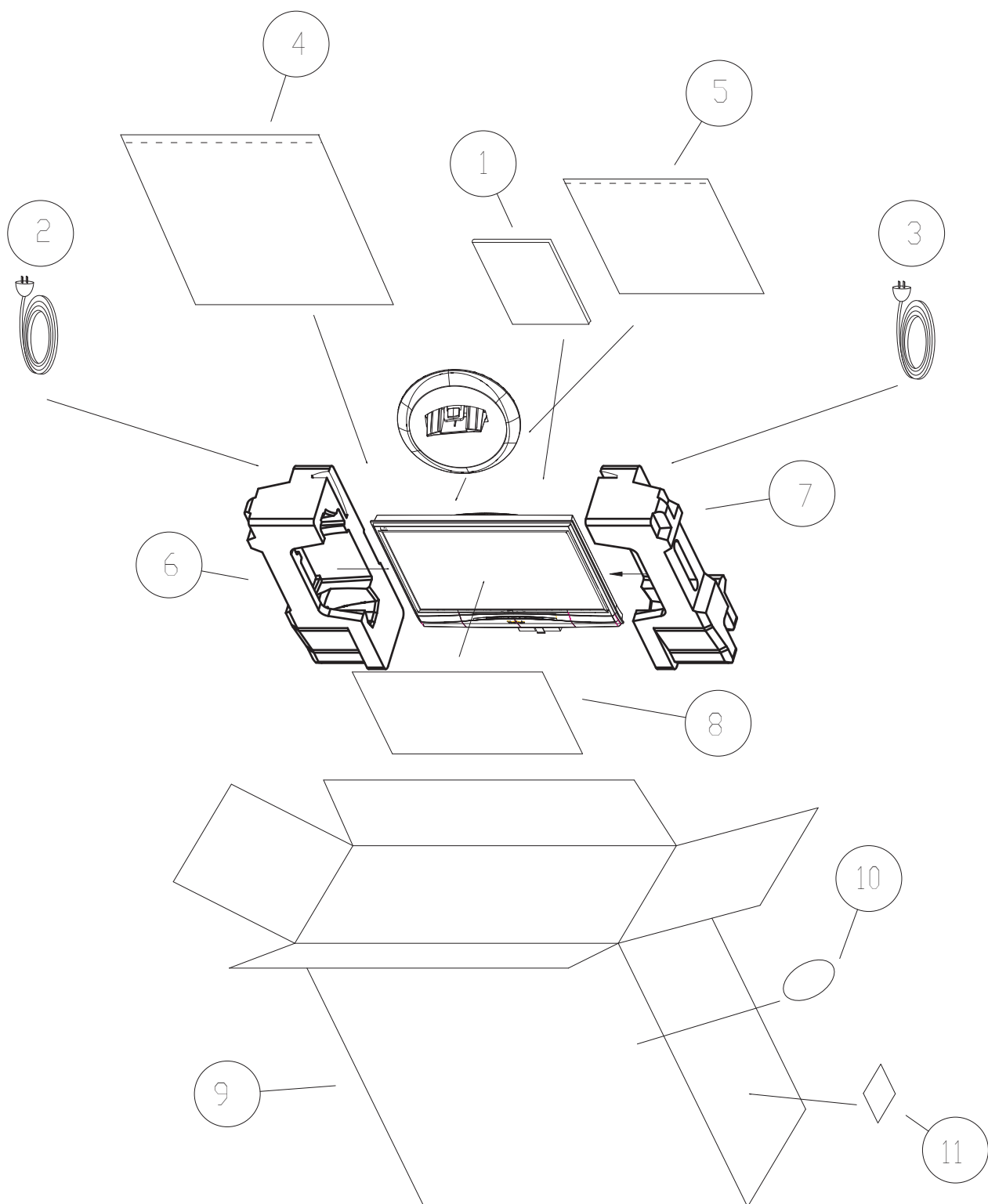
EXPLODED PARTS LIST (VA1703WB-1)

ViewSonic Model Number: VS11534

Rev: 1a

Serial No. Prefix: QFK

Item	ViewSonic P/N	Ref. P/N	Description	Q'ty
1	C-00008249	40-05010031G110	VA1703wb Arm ABS-HB Midnight Gray 2nd	1
2	PL-00008074	40-06010030G110	VA1703wb Base ABS-HB Midnight Gray 2nd	1
3	C-00008248	40-07010009G110	VA1703wb H/C ABS-HB Midnight Gray 2nd	1
4	N/A	41-03010040G000	VA903 Base Bracket SECC T=1.6mm	1
5	N/A	41-03010063G000	HW173 PANEL BRACKET L	1
6	N/A	41-03010064G000	HW173 PANEL BRACKET R	1
7	N/A	41-03010065G001	VA1703 HINGE BRACKET SECC	1
8	N/A	41-04010029G000	HW173A SHIELDING	1
9	N/A	41-07010025G000	VA903 Hinge SECC=2mm	1
10	PL-00008001	42-02110002G000	HU171 Rubber Foot Black	6
11	N/A	43-01031004G010	SCREW T3x10 PAN BZ Tap	1
12	N/A	43-01040604G001	Screw M4x6 PAN BZ, Me,	6
13	N/A	43-04030602G010	Screw M3*6 Flat Ni Tap	6
14	N/A	43-12030502G000	SCREW M3*5 ROUND WASHER NI ME	21
15	N/A	43-12030805G010	SCREW M3*8 ROUND WASHER CZ TAP	2
16	N/A	43-12031002G000	SCREW M3x10 ROUND WASHER Ni Me	4
17	N/A	43-90000052G110	PHW+LWM4-18x10 TP-B Ni (washer Tap)	3
18	N/A	43-90000052G110	PHW+LWM4-18x10 TP-B Ni (washer Tap)	3
19	C-00008246	45-01A17002G100	VA1703wb Bezel Sub-Assy Mid-Gray 2nd	1
20	C-00008247	45-02A17002G100	VA1703wb B/C Sub-Assy Midnight-Gray 2nd	1
21	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-A	1
22	B-00008233	70-V1703000G001	VA1703 KEY BOARD ASS'Y (w/o speakers)	1
23	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 8.0mA/32W(FSP)	1
24	B-00008234	70-V7030102G500	VA1703 MB AL-NA ASS'Y(Sirtec)	1



PACKING PART LIST (VA1703W-1)

ViewSonic Model Number: VS11534

Rev: 1a

Item	ViewSonic P/N	Ref. P/N	Location	Q'ty
1	DC-00008197	72-01170303G000	VA1703 Taiwan Packing assy(TWN&EUR)	1
	DC-00008196	72-01170302G001	VA1703 China Packing Assy, made in China	
	DC-00008198	72-01170301G000	VA1703 USA Packing Assy	
2	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-JHEN VEI	1
3	A-00008004	33-E3980011G000	PWR CORD TWN 125V/7A 1.8M 3C BLK "Linetek"	1
4	P-00008242	61-03000008G000	PE BAG 450*650mm	1
5	P-00008004	61-03000003G000	U171 PE BAG 225*400MM	1
6	P-00008240	61-01000051G000	VA1703 End Cap-L EPS	1
7	P-00008241	61-01000052G000	VA1703 End Cap-R EPS	1
8	PL-00008072	42-01260013G000	Mylar 385*250*0.1(Protection) for 17"W	1
9	P-00008239	60-01000097G001	VA1703w Carton, made in Taiwan	1
10	DC-00008004	62-07000013G000	8ms sticker	1
11	N/A	62-06000003G000	BARCODE LABEL 76.2*76.2MM	1

PACKING PART LIST (VA1703WB-1)

ViewSonic Model Number: VS11534

Rev: 1a

Item	ViewSonic P/N	Ref. P/N	Location	Q'ty
1	DC-00008197	72-01170303G000	VA1703 Taiwan Packing assy(TWN&EUR)	1
	DC-00008196	72-01170302G001	VA1703 China Packing Assy, made in China	
	DC-00008198	72-01170301G000	VA1703 USA Packing Assy	
2	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-	1
3	A-00008004	33-E3980011G000	PWR CORD TWN 125V/7A 1.8M 3C BLK	1
4	P-00008242	61-03000008G000	PE BAG 450*650mm	1
5	P-00008004	61-03000003G000	U171 PE BAG 225*400MM	1
6	P-00008240	61-01000051G000	VA1703 End Cap-L EPS	1
7	P-00008241	61-01000052G000	VA1703 End Cap-R EPS	1
8	PL-00008072	42-01260013G000	Mylar 385*250*0.1(Protection) for 17"W	1
9	P-00008244	60-01000098G001	VA1703w Carton, made in Taiwan	1
10	DC-00008004	62-07000013G000	8ms sticker	1
11	N/A	62-06000003G000	BARCODE LABEL 76.2*76.2MM	1

11. Recommended Spare Parts List

RECOMMENDED SPARE PARTS LIST (VA1703W-1)

ViewSonic Model Number: VS11534

Serial No. Prefix: QFJ

Rev: 1a

Item	Description	ECR/ECN	ViewSonic P/N	Ref. P/N	Location	Universal number#
1	Accessories:	Power Cord 125V/7A 1.8M 3C Taiwan	A-00008004	33-E3980011G000		
2		Power Cord - 250V/10A 1.8M 3C BLK (China)	A-00008038	33-E3980005G000		
3		Power Cord - 125V/10A 1.8M 3C BLK (USA)	A-00008039	33-E3980000G000		
4		Power Cord - 250V/10A 1.8M 3C BLK (Europe)	A-00008040	33-E3980003G000		
5	PC Board Assembly:	Key Board (w/o speakers)	B-00008233	70-V1703000G001		
6		Main Board - AL-NA (Sirtec)	B-00008234	70-V7030102G500		
7		Power/Inverter Board - (2Lamp 8.0mA/32W)	B-00008235	52-5W273003G000		
8	Cabinets:	Front Panel (Silver)	C-00008242	45-01A17001G100		
9		Back Cover (Black)	C-00008243	45-02A17001G100		
10		Cover - (Arm ABS-HB Black)	C-00008244	40-05010031G100		
11		Cover - Hinge Cover	C-00008245	40-07010009G100		
12	Cables:	Video Cable - (Signal Cable - D/15P-15P(M))	CB-00008097	33-R3910501G000		
13	Documentation:	Energy Star Label	DC-00008001	62-07000009G000		
14		Label - (QC-Pass China)	DC-00008002	62-07000010G000		
15		Hi-Pot Pass Label	DC-00008003	62-07000011G000		
16		8ms Sticker	DC-00008004	62-07000013G000		
17		Packing Assy- (User Guide, Quick Start, CD) China	DC-00008196	72-01170302G001		
18		Packing Assy- (User Guide, Quick Start, CD)	DC-00008197	72-01170303G000		
19		Packing Assy- (User Guide, Quick Start, CD) USA	DC-00008198	72-01170301G000		
20	Electronic Components:	LCD Panel (HSD170MGW1-A00)	E-00008169	170MGW1-A00		
21	Miscellaneous:	Logo - (Brand Bird Logo AL+PC)	M-00008082	42-04260010G000		
22	Packing Material:	PE BAG 225*400MM	P-00008004	61-03000003G000		
23		Craft Box	P-00008239	60-01000097G001		
24		Foam - (Left)	P-00008240	61-01000051G000		
25		Foam - (Right)	P-00008241	61-01000052G000		
26		PE BAG 450*650mm	P-00008242	61-03000008G000		
27		PE bag 700*700mm (CHN)	P-00008243	61-03000010G000		
28	Plastics:	Name plate Brand for Viewsonic AL	PL-00008002	42-04170008G000		
29		Panel Cover - (385*250*0.1(Protection) for 17"W)	PL-00008072	42-01260013G000		
30		Pedestal	PL-00008073	40-06010030G100		

Remark 1: Above listed items are examples, supplier can expand the rows to add more necessary items.

Remark 2: All revised RSPLs with newly added items or any change made should be highlighted and correlated with the ECN/ECR approved by ViewSonic Corporation. This is to eliminate repeated cross checks of each item between this version and prior versions.

RECOMMENDED SPARE PARTS LIST (VA1703WB-1)

ViewSonic Model Number: VS11534

Serial No. Prefix: QFK

Rev: 1a

Item	Description	ECR/ECN	ViewSonic P/N	Ref. P/N	Location	Universal number#
1	Accessories:		A-00008004	33-E3980011G000		
2	[Adapter, Remote		A-00008038	33-E3980005G000		
3	Control;Power		A-00008039	33-E3980000G000		
4	Cord]		A-00008040	33-E3980003G000		
5	PC Board		B-00008233	70-V1703000G001		
6	Assembly: [All		B-00008234	70-V7030102G500		
7	PCBA]		B-00008235	52-5W273003G000		
8	Cabinets:		C-00008246	45-01A17002G100		
9	[Front Panel, All		C-00008247	45-02A17002G100		
10	Covers, Base		C-00008248	40-07010009G110		
11	Assembly]		C-00008249	40-05010031G110		
12	Cables: [All Cables]		CB-00008097	33-R3910501G000		
13	Documentation:		DC-00008001	62-07000009G000		
14	[Quick Start Guide,		DC-00008002	62-07000010G000		
15	CD Rom; Label]		DC-00008003	62-07000011G000		
16			DC-00008004	62-07000013G000		
17			DC-00008196	72-01170302G001		
18			DC-00008197	72-01170303G000		
19			DC-00008198	72-01170301G000		
20	Electronic		E-00008169	170MGW1-A00		
21	Miscellaneous:		M-00008082	42-04260010G000		
22	Packing Material:		P-00008004	61-03000003G000		
23	[Box, Foam, Bags]		P-00008240	61-01000051G000		
24			P-00008241	61-01000052G000		
25			P-00008242	61-03000008G000		
26			P-00008243	61-03000010G000		
27			P-00008244	60-01000098G001		
28	Plastics: [Pedestal,		PL-00008002	42-04170008G000		
29	Plate, Rubber Foot,		PL-00008072	42-01260013G000		
30	Button, etc.]		PL-00008074	40-06010030G110		

Remark 1: Above listed items are examples, supplier can expand the rows to add more necessary items.

Remark 2: All revised RSPLs with newly added items or any change made should be highlighted and correlated with the ECN/ECR approved by ViewSonic Corporation. This is to eliminate repeated cross checks of each item between this version and prior versions.

BOM LIST (VA1703W-1)

ViewSonic Model Number: VS11534

Rev: 1a

Serial No. Prefix: QFJ

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
1	N/A	04-1V703A00G000	EDID VA1703wb 170MGW1A00 EDID A			1
2	N/A	40-01010096G010	VA1703wb BEZEL ABS-HB Midnight Gray			1
3	N/A	40-01010096G110	VA1703WB BEZEL ABS-HB MIDNIGHT GRAY 2ND			1
4	N/A	40-02010041G010	VA1703wb BACKCOVER ABS-HB Midnight gray			1
5	N/A	40-02010041G110	VA1703WB B/C ABS-HB MIDNIGHT GRAY 2ND			1
6	N/A	62-02000017G000	VA903b Quick Start Taiwan			1
7	N/A	62-02000034G000	VA903b Quick Start ,made in China			1
8	N/A	04-1V703A00G000	EDID VA1703wb 170MGW1A00 EDID A			1
9	N/A	40-01010096G000	VA1703w BEZEL ABS-HB Silver			1
10	N/A	40-01010096G100	VA1703w Bezel ABS-HB Silver 2nd			1
11	N/A	40-02010041G000	VA1703w BACKCOVER ABS-HB Black			1
12	N/A	40-02010041G100	VA1703w Backcover ABS-HB Black 2nd			1
13	N/A	62-02000017G000	VA903b Quick Start Taiwan			1
14	N/A	62-02000034G000	VA903b Quick Start ,made in China			1
15	N/A	04-1V703A00G000	EDID VA1703wb 170MGW1A00 EDID A			1
16	N/A	40-01010096G110	VA1703WB BEZEL ABS-HB MIDNIGHT GRAY 2ND			1
17	N/A	40-01010096G010	VA1703wb BEZEL ABS-HB Midnight Gray			1
18	N/A	40-02010041G110	VA1703WB B/C ABS-HB MIDNIGHT GRAY 2ND			1
19	N/A	40-02010041G010	VA1703wb BACKCOVER ABS-HB Midnight gray			1
20	N/A	62-02000034G000	VA903b Quick Start ,made in China			1
21	N/A	62-02000017G000	VA903b Quick Start Taiwan			1
22	N/A	04-1V703A00G000	EDID VA1703wb 170MGW1A00 EDID A			1
23	N/A	40-01010096G100	VA1703w Bezel ABS-HB Silver 2nd			1
24	N/A	40-01010096G000	VA1703w BEZEL ABS-HB Silver			1
25	N/A	40-02010041G100	VA1703w Backcover ABS-HB Black 2nd			1
26	N/A	40-02010041G000	VA1703w BACKCOVER ABS-HB Black			1
27	N/A	62-02000034G000	VA903b Quick Start ,made in China			1
28	N/A	62-02000017G000	VA903b Quick Start Taiwan			1
29	N/A	04-1V703A00G000	EDID VA1703wb 170MGW1A00 EDID A			1
30	N/A	40-01010096G010	VA1703wb BEZEL ABS-HB Midnight Gray			1
31	N/A	40-01010096G110	VA1703WB BEZEL ABS-HB MIDNIGHT GRAY 2ND			1
32	N/A	40-02010041G010	VA1703wb BACKCOVER ABS-HB Midnight gray			1
33	N/A	40-02010041G110	VA1703WB B/C ABS-HB MIDNIGHT GRAY 2ND			1
34	N/A	62-02000017G000	VA903b Quick Start Taiwan			1
35	N/A	62-02000034G000	VA903b Quick Start ,made in China			1
36	N/A	04-1V703A00G000	EDID VA1703wb 170MGW1A00 EDID A			1
37	N/A	40-01010096G000	VA1703w BEZEL ABS-HB Silver			1
38	N/A	40-01010096G100	VA1703w Bezel ABS-HB Silver 2nd			1
39	N/A	40-02010041G000	VA1703w BACKCOVER ABS-HB Black			1
40	N/A	40-02010041G100	VA1703w Backcover ABS-HB Black 2nd			1
41	N/A	62-02000017G000	VA903b Quick Start Taiwan			1
42	N/A	62-02000034G000	VA903b Quick Start ,made in China			1
43	N/A	04-1V703A00G000	EDID VA1703wb 170MGW1A00 EDID A			1
44	N/A	40-01010096G010	VA1703wb BEZEL ABS-HB Midnight Gray			1
45	N/A	40-01010096G110	VA1703WB BEZEL ABS-HB MIDNIGHT GRAY 2ND			1
46	N/A	40-02010041G010	VA1703wb BACKCOVER ABS-HB Midnight gray			1
47	N/A	40-02010041G110	VA1703WB B/C ABS-HB MIDNIGHT GRAY 2ND			1
48	N/A	62-02000017G000	VA903b Quick Start Taiwan			1
49	N/A	62-02000034G000	VA903b Quick Start ,made in China			1
50	N/A	04-1V703A00G000	EDID VA1703wb 170MGW1A00 EDID A			1
51	N/A	40-01010096G000	VA1703w BEZEL ABS-HB Silver			1
52	N/A	40-01010096G100	VA1703w Bezel ABS-HB Silver 2nd			1
53	N/A	40-02010041G000	VA1703w BACKCOVER ABS-HB Black			1
54	N/A	40-02010041G100	VA1703w Backcover ABS-HB Black 2nd			1
55	N/A	62-02000017G000	VA903b Quick Start Taiwan			1
56	N/A	62-02000034G000	VA903b Quick Start ,made in China			1
57	N/A	04-1V703A00G000	EDID VA1703wb 170MGW1A00 EDID A			1
58	N/A	40-01010096G010	VA1703wb BEZEL ABS-HB Midnight Gray			1
59	N/A	40-01010096G110	VA1703WB BEZEL ABS-HB MIDNIGHT GRAY 2ND			1
60	N/A	40-02010041G010	VA1703wb BACKCOVER ABS-HB Midnight gray			1
61	N/A	40-02010041G110	VA1703WB B/C ABS-HB MIDNIGHT GRAY 2ND			1
62	N/A	62-02000017G000	VA903b Quick Start Taiwan			1
63	N/A	62-02000034G000	VA903b Quick Start ,made in China			1
64	N/A	04-1V703A00G000	EDID VA1703wb 170MGW1A00 EDID A			1
65	N/A	40-01010096G000	VA1703w BEZEL ABS-HB Silver			1
66	N/A	40-01010096G100	VA1703w Bezel ABS-HB Silver 2nd			1
67	N/A	40-02010041G000	VA1703w BACKCOVER ABS-HB Black			1
68	N/A	40-02010041G100	VA1703w Backcover ABS-HB Black 2nd			1
69	N/A	62-02000017G000	VA903b Quick Start Taiwan			1
70	N/A	62-02000034G000	VA903b Quick Start ,made in China			1
71	N/A	06-V7031100G000	Bin Code VA1703wb AL 170MGW1A00R30.C			1

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
72	N/A	40-03010046G000	VA1703 Button-Power PC Transparent			1
73	N/A	40-03010046G100	VA1703 Button-Power PC Transparent 2nd			1
74	N/A	41-03010070G000	VA1703 WALL MOUNT BRACKET SECC			4
75	N/A	62-02000019G000	VA903b Base Guide			2
76	N/A	06-V7031100G000	Bin Code VA1703wb AL 170MGW1A00R30.0			1
77	N/A	40-03010046G000	VA1703 Button-Power PC Transparent			1
78	N/A	40-03010046G100	VA1703 Button-Power PC Transparent 2nd			1
79	N/A	41-03010070G000	VA1703 WALL MOUNT BRACKET SECC			4
80	N/A	62-02000019G000	VA903b Base Guide			2
81	N/A	06-V7031100G000	Bin Code VA1703wb AL 170MGW1A00R30.0			1
82	N/A	40-03010046G100	VA1703 Button-Power PC Transparent 2nd			1
83	N/A	40-03010046G000	VA1703 Button-Power PC Transparent			1
84	N/A	41-03010070G000	VA1703 WALL MOUNT BRACKET SECC			4
85	N/A	62-02000019G000	VA903b Base Guide			2
86	N/A	06-V7031100G000	Bin Code VA1703wb AL 170MGW1A00R30.0			1
87	N/A	40-03010046G100	VA1703 Button-Power PC Transparent 2nd			1
88	N/A	40-03010046G000	VA1703 Button-Power PC Transparent			1
89	N/A	41-03010070G000	VA1703 WALL MOUNT BRACKET SECC			4
90	N/A	62-02000019G000	VA903b Base Guide			2
91	N/A	06-V7031100G000	Bin Code VA1703wb AL 170MGW1A00R30.0			1
92	N/A	40-03010046G000	VA1703 Button-Power PC Transparent			1
93	N/A	40-03010046G100	VA1703 Button-Power PC Transparent 2nd			1
94	N/A	41-03010070G000	VA1703 WALL MOUNT BRACKET SECC			4
95	N/A	62-02000019G000	VA903b Base Guide			2
96	N/A	06-V7031100G000	Bin Code VA1703wb AL 170MGW1A00R30.0			1
97	N/A	40-03010046G000	VA1703 Button-Power PC Transparent			1
98	N/A	40-03010046G100	VA1703 Button-Power PC Transparent 2nd			1
99	N/A	41-03010070G000	VA1703 WALL MOUNT BRACKET SECC			4
100	N/A	62-02000019G000	VA903b Base Guide			2
101	N/A	06-V7031100G000	Bin Code VA1703wb AL 170MGW1A00R30.0			1
102	N/A	40-03010046G000	VA1703 Button-Power PC Transparent			1
103	N/A	40-03010046G100	VA1703 Button-Power PC Transparent 2nd			1
104	N/A	41-03010070G000	VA1703 WALL MOUNT BRACKET SECC			4
105	N/A	62-02000019G000	VA903b Base Guide			2
106	N/A	06-V7031100G000	Bin Code VA1703wb AL 170MGW1A00R30.0			1
107	N/A	40-03010046G000	VA1703 Button-Power PC Transparent			1
108	N/A	40-03010046G100	VA1703 Button-Power PC Transparent 2nd			1
109	N/A	41-03010070G000	VA1703 WALL MOUNT BRACKET SECC			4
110	N/A	62-02000019G000	VA903b Base Guide			2
111	N/A	06-V7031100G000	Bin Code VA1703wb AL 170MGW1A00R30.0			1
112	N/A	40-03010046G000	VA1703 Button-Power PC Transparent			1
113	N/A	40-03010046G100	VA1703 Button-Power PC Transparent 2nd			1
114	N/A	41-03010070G000	VA1703 WALL MOUNT BRACKET SECC			4
115	N/A	62-02000019G000	VA903b Base Guide			2
116	N/A	06-V7031100G000	Bin Code VA1703wb AL 170MGW1A00R30.0			1
117	N/A	40-03010046G000	VA1703 Button-Power PC Transparent			1
118	N/A	40-03010046G100	VA1703 Button-Power PC Transparent 2nd			1
119	N/A	41-03010070G000	VA1703 WALL MOUNT BRACKET SECC			4
120	N/A	62-02000019G000	VA903b Base Guide			2
121	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-A			1
122	N/A	40-03010047G000	VA1703 Button-Function ABS Silver			1
123	N/A	40-03010047G100	VA1703 Button-Function ABS Silver 2nd			1
124	N/A	62-04000025G000	VA1703 CD User Guide			1
125	N/A	62-04000025G001	VA1703 CD Guide, made in China			1
126	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-A			1
127	N/A	40-03010047G000	VA1703 Button-Function ABS Silver			1
128	N/A	40-03010047G100	VA1703 Button-Function ABS Silver 2nd			1
129	N/A	62-04000025G000	VA1703 CD User Guide			1
130	N/A	62-04000025G001	VA1703 CD Guide, made in China			1
131	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-A			1
132	N/A	40-03010047G100	VA1703 Button-Function ABS Silver 2nd			1
133	N/A	40-03010047G000	VA1703 Button-Function ABS Silver			1
134	N/A	62-04000025G001	VA1703 CD Guide, made in China			1
135	N/A	62-04000025G000	VA1703 CD User Guide			1
136	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-A			1
137	N/A	40-03010047G100	VA1703 Button-Function ABS Silver 2nd			1
138	N/A	40-03010047G000	VA1703 Button-Function ABS Silver			1
139	N/A	62-04000025G001	VA1703 CD Guide, made in China			1
140	N/A	62-04000025G000	VA1703 CD User Guide			1
141	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-A			1
142	N/A	40-03010047G000	VA1703 Button-Function ABS Silver			1
143	N/A	40-03010047G100	VA1703 Button-Function ABS Silver 2nd			1
144	N/A	62-04000025G000	VA1703 CD User Guide			1
145	N/A	62-04000025G001	VA1703 CD Guide, made in China			1
146	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-A			1
147	N/A	40-03010047G000	VA1703 Button-Function ABS Silver			1

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
148	N/A	40-03010047G100	VA1703 Button-Function ABS Silver 2nd			1
149	N/A	62-04000025G000	VA1703 CD User Guide			1
150	N/A	62-04000025G001	VA1703 CD Guide, made in China			1
151	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-A			1
152	N/A	40-03010047G000	VA1703 Button-Function ABS Silver			1
153	N/A	40-03010047G100	VA1703 Button-Function ABS Silver 2nd			1
154	N/A	62-04000025G000	VA1703 CD User Guide			1
155	N/A	62-04000025G001	VA1703 CD Guide, made in China			1
156	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-A			1
157	N/A	40-03010047G000	VA1703 Button-Function ABS Silver			1
158	N/A	40-03010047G100	VA1703 Button-Function ABS Silver 2nd			1
159	N/A	62-04000025G000	VA1703 CD User Guide			1
160	N/A	62-04000025G001	VA1703 CD Guide, made in China			1
161	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-A			1
162	N/A	40-03010047G000	VA1703 Button-Function ABS Silver			1
163	N/A	40-03010047G100	VA1703 Button-Function ABS Silver 2nd			1
164	N/A	62-04000025G000	VA1703 CD User Guide			1
165	N/A	62-04000025G001	VA1703 CD Guide, made in China			1
166	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-A			1
167	N/A	40-03010047G000	VA1703 Button-Function ABS Silver			1
168	N/A	40-03010047G100	VA1703 Button-Function ABS Silver 2nd			1
169	N/A	62-04000025G000	VA1703 CD User Guide			1
170	N/A	62-04000025G001	VA1703 CD Guide, made in China			1
171	CB-00008001	33-00090501G000	CABLE SIGNAL D/15P-15P(M)1800MM			1
172	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-JHEN VEI			1
173	N/A	40-03010048G000	VA1703 Button-Value ABS Silver			1
174	N/A	40-03010048G100	VA1703 Button-Value ABS Silver 2nd			1
175	CB-00008001	33-00090501G000	CABLE SIGNAL D/15P-15P(M)1800MM			1
176	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-JHEN VEI			1
177	N/A	40-03010048G000	VA1703 Button-Value ABS Silver			1
178	N/A	40-03010048G100	VA1703 Button-Value ABS Silver 2nd			1
179	CB-00008001	33-00090501G000	CABLE SIGNAL D/15P-15P(M)1800MM			1
180	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-JHEN VEI			1
181	N/A	40-03010048G100	VA1703 Button-Value ABS Silver 2nd			1
182	N/A	40-03010048G000	VA1703 Button-Value ABS Silver			1
183	CB-00008001	33-00090501G000	CABLE SIGNAL D/15P-15P(M)1800MM			1
184	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-JHEN VEI			1
185	N/A	40-03010048G100	VA1703 Button-Value ABS Silver 2nd			1
186	N/A	40-03010048G000	VA1703 Button-Value ABS Silver			1
187	CB-00008001	33-00090501G000	CABLE SIGNAL D/15P-15P(M)1800MM			1
188	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-JHEN VEI			1
189	N/A	40-03010048G000	VA1703 Button-Value ABS Silver			1
190	N/A	40-03010048G100	VA1703 Button-Value ABS Silver 2nd			1
191	CB-00008001	33-00090501G000	CABLE SIGNAL D/15P-15P(M)1800MM			1
192	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-JHEN VEI			1
193	N/A	40-03010048G000	VA1703 Button-Value ABS Silver			1
194	N/A	40-03010048G100	VA1703 Button-Value ABS Silver 2nd			1
195	CB-00008001	33-00090501G000	CABLE SIGNAL D/15P-15P(M)1800MM			1
196	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-JHEN VEI			1
197	N/A	40-03010048G000	VA1703 Button-Value ABS Silver			1
198	N/A	40-03010048G100	VA1703 Button-Value ABS Silver 2nd			1
199	CB-00008001	33-00090501G000	CABLE SIGNAL D/15P-15P(M)1800MM			1
200	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-JHEN VEI			1
201	N/A	40-03010048G000	VA1703 Button-Value ABS Silver			1
202	N/A	40-03010048G100	VA1703 Button-Value ABS Silver 2nd			1
203	CB-00008001	33-00090501G000	CABLE SIGNAL D/15P-15P(M)1800MM			1
204	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-JHEN VEI			1
205	N/A	40-03010048G000	VA1703 Button-Value ABS Silver			1
206	N/A	40-03010048G100	VA1703 Button-Value ABS Silver 2nd			1
207	N/A	62-03000020G001	Viewsonic Warranty USA 1440*900-blue			2
208	CB-00008001	33-00090501G000	CABLE SIGNAL D/15P-15P(M)1800MM			1
209	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-JHEN VEI			1
210	N/A	40-03010048G000	VA1703 Button-Value ABS Silver			1
211	N/A	40-03010048G100	VA1703 Button-Value ABS Silver 2nd			1
212	N/A	62-03000020G001	Viewsonic Warranty USA 1440*900-blue			2
213	N/A	33-E3910011G000	PWR CORD TAIWAN (BSMI) 125V/7A1800mm blk			1
214	A-00008004	33-E3980011G000	PWR CORD TWN 125V/7A 1.8M 3C BLK "Linetek"			1
215	N/A	33-E3910011G000	PWR CORD TAIWAN (BSMI) 125V/7A1800mm blk			1
216	A-00008004	33-E3980011G000	PWR CORD TWN 125V/7A 1.8M 3C BLK "Linetek"			1
217	A-00008003	33-00080002G000	PWR CORD CHINA 250V/10A 1800MM LF			1
218	A-00008038	33-E3980005G000	PWR CORD CHN 250V/10A 1.8M 3C BLK "Linetek"			1
219	A-00008003	33-00080002G000	PWR CORD CHINA 250V/10A 1800MM LF			1
220	A-00008038	33-E3980005G000	PWR CORD CHN 250V/10A 1.8M 3C BLK "Linetek"			1
221	N/A	33-17100000G000	PWR CORD AUSTRALIA 250V/10A 1800MM BLK			1
222	N/A	33-V9030204G000	PWR CORD AU 250V/10A 1800MM BLK (Linetek)			1
223	N/A	33-17100000G000	PWR CORD AUSTRALIA 250V/10A 1800MM BLK			1

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
224	N/A	33-V9030204G000	PWR CORD AU 250V/10A 1800MM BLK(Linetek)			1
225	N/A	33-00000004G000	PWR CORD EUR 250V/10A 1800MM 3C BLK			1
226	A-00008040	33-E3980003G000	PWR CORD EUR 250V/10A 1.8M 3C BLK"Linetek"			1
227	N/A	33-00000004G000	PWR CORD EUR 250V/10A 1800MM 3C BLK			1
228	A-00008040	33-E3980003G000	PWR CORD EUR 250V/10A 1.8M 3C BLK"Linetek"			1
229	N/A	33-00080000G000	PWR CORD AMERICAN(UL/CSA) 125V/10A 1800m			1
230	A-00008039	33-E3980000G000	PWR CORD USA 125V/10A 1.8M 3C BLK"Linetek"			1
231	N/A	33-00080000G000	PWR CORD AMERICAN(UL/CSA) 125V/10A 1800m			1
232	A-00008039	33-E3980000G000	PWR CORD USA 125V/10A 1.8M 3C BLK"Linetek"			1
233	N/A	33-W2730201G000	WIRE HRN(UL1571#28)26P-30P 17W-LVDS 80MM			10
234	N/A	33-W3930201G000	WIRE HRN(HDR 2651#28)12P P*2.0 310mm			10
235	N/A	34-04170009G000	Al foil,W*L*H=30*50*0.1mmr			40
236	N/A	34-04170002G000	AL FOIL W15*L30			10
237	N/A	40-05010031G010	VA1703wb Arm ABS-HB Midnight Gray			1
238	N/A	40-05010031G110	VA1703wb Arm ABS-HB Midnight Gray 2nd			1
239	N/A	40-05010031G000	VA1703w Arm ABS-HB Black			1
240	C-00008244	40-05010031G100	VA1703w Arm ABS-HB Black 2nd			1
241	N/A	40-05010031G110	VA1703wb Arm ABS-HB Midnight Gray 2nd			1
242	N/A	40-05010031G010	VA1703wb Arm ABS-HB Midnight Gray			1
243	C-00008244	40-05010031G100	VA1703w Arm ABS-HB Black 2nd			1
244	N/A	40-05010031G000	VA1703w Arm ABS-HB Black			1
245	N/A	40-05010031G010	VA1703wb Arm ABS-HB Midnight Gray			1
246	N/A	40-05010031G110	VA1703wb Arm ABS-HB Midnight Gray 2nd			1
247	N/A	40-05010031G000	VA1703w Arm ABS-HB Black			1
248	C-00008244	40-05010031G100	VA1703w Arm ABS-HB Black 2nd			1
249	N/A	40-05010031G010	VA1703wb Arm ABS-HB Midnight Gray			1
250	N/A	40-05010031G110	VA1703wb Arm ABS-HB Midnight Gray 2nd			1
251	N/A	40-05010031G000	VA1703w Arm ABS-HB Black			1
252	C-00008244	40-05010031G100	VA1703w Arm ABS-HB Black 2nd			1
253	N/A	40-05010031G010	VA1703wb Arm ABS-HB Midnight Gray			1
254	N/A	40-05010031G110	VA1703wb Arm ABS-HB Midnight Gray 2nd			1
255	N/A	40-05010031G000	VA1703w Arm ABS-HB Black			1
256	C-00008244	40-05010031G100	VA1703w Arm ABS-HB Black 2nd			1
257	N/A	40-06010030G010	VA1703wb Base ABS-HB Midnight Gray			1
258	N/A	40-06010030G110	VA1703wb Base ABS-HB Midnight Gray 2nd			1
259	N/A	40-06010030G000	VA1703w Base ABS-HB Black			1
260	PL-00008073	40-06010030G100	VA1703w Base ABS-HB Black 2nd			1
261	N/A	40-06010030G110	VA1703wb Base ABS-HB Midnight Gray 2nd			1
262	N/A	40-06010030G010	VA1703wb Base ABS-HB Midnight Gray			1
263	PL-00008073	40-06010030G100	VA1703w Base ABS-HB Black 2nd			1
264	N/A	40-06010030G000	VA1703w Base ABS-HB Black			1
265	N/A	40-06010030G010	VA1703wb Base ABS-HB Midnight Gray			1
266	N/A	40-06010030G110	VA1703wb Base ABS-HB Midnight Gray 2nd			1
267	N/A	40-06010030G000	VA1703w Base ABS-HB Black			1
268	PL-00008073	40-06010030G100	VA1703w Base ABS-HB Black 2nd			1
269	N/A	40-06010030G010	VA1703wb Base ABS-HB Midnight Gray			1
270	N/A	40-06010030G110	VA1703wb Base ABS-HB Midnight Gray 2nd			1
271	N/A	40-06010030G000	VA1703w Base ABS-HB Black			1
272	PL-00008073	40-06010030G100	VA1703w Base ABS-HB Black 2nd			1
273	N/A	40-06010030G010	VA1703wb Base ABS-HB Midnight Gray			1
274	N/A	40-06010030G110	VA1703wb Base ABS-HB Midnight Gray 2nd			1
275	N/A	40-06010030G000	VA1703w Base ABS-HB Black			1
276	PL-00008073	40-06010030G100	VA1703w Base ABS-HB Black 2nd			1
277	N/A	40-07010009G010	VA1703wb HINGE COVER ABS Midnight Gray			1
278	N/A	40-07010009G110	VA1703wb H/C ABS-HB Midnight Gray 2nd			1
279	N/A	40-07010009G000	VA1703w HINGE COVER ABS Black			1
280	C-00008245	40-07010009G100	VA1703w Hinge Cover ABS-HB Black 2nd			1
281	N/A	40-07010009G110	VA1703wb H/C ABS-HB Midnight Gray 2nd			1
282	N/A	40-07010009G010	VA1703wb HINGE COVER ABS Midnight Gray			1
283	C-00008245	40-07010009G100	VA1703w Hinge Cover ABS-HB Black 2nd			1
284	N/A	40-07010009G000	VA1703w HINGE COVER ABS Black			1
285	N/A	40-07010009G010	VA1703wb HINGE COVER ABS Midnight Gray			1
286	N/A	40-07010009G110	VA1703wb H/C ABS-HB Midnight Gray 2nd			1
287	N/A	40-07010009G000	VA1703w HINGE COVER ABS Black			1
288	C-00008245	40-07010009G100	VA1703w Hinge Cover ABS-HB Black 2nd			1
289	N/A	40-07010009G010	VA1703wb HINGE COVER ABS Midnight Gray			1
290	N/A	40-07010009G110	VA1703wb H/C ABS-HB Midnight Gray 2nd			1
291	N/A	40-07010009G000	VA1703w HINGE COVER ABS Black			1
292	C-00008245	40-07010009G100	VA1703w Hinge Cover ABS-HB Black 2nd			1
293	N/A	40-07010009G010	VA1703wb HINGE COVER ABS Midnight Gray			1
294	N/A	40-07010009G110	VA1703wb H/C ABS-HB Midnight Gray 2nd			1
295	N/A	40-07010009G000	VA1703w HINGE COVER ABS Black			1
296	C-00008245	40-07010009G100	VA1703w Hinge Cover ABS-HB Black 2nd			1
297	N/A	41-03010040G000	VA903 Base BKT SECC=1.6mm			10
298	N/A	41-03010063G000	HW173 PANEL BRACKET L			10
299	N/A	41-03010064G000	HW173 PANEL BRACKET R			10

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
300	N/A	41-03010065G001	VA1703 HINGE BRACKET			10
301	N/A	41-04010029G000	HW173A SHIELDING			10
302	N/A	41-07010012G000	VA1703 Hinge SECC			10
303	PL-00008001	42-02110002G000	U171 Rubber foot Black			60
304	PL-00008002	42-04170008G000	Name plate Brand for Viewsonic AL			10
305	M-00008082	42-04260010G000	VA1703 BRAND BIRD LOGO AL+PC			10
306	N/A	42-10230001G000	Elec. tape cloth black W:15mm,TL:30mm			0.02
307	N/A	43-01031004G010	SCREW T3x10 PAN BZ Tap			10
308	N/A	43-01040604G001	SCREW M4*6 PAN NI ME Black			60
309	N/A	43-04030602G010	Screw M3*6 Flat Ni Tap			60
310	N/A	43-12030502G000	SCREW M3*5 ROUND WASHER NI ME			210
311	N/A	43-12030805G010	Screw M3*8 Round Washer,CZ,Tap			20
312	N/A	43-12031002G000	SCREW M3x10 ROUND WASHER Ni Me			40
313	N/A	43-90000052G110	screw PHW+LWM4-18x10 TP-B Ni (washer Tap)			30
314	N/A	43-90000082G000	SCREW 4#-40*5*6.8 NI			20
315	N/A	45-01A17002G000	VA1703wb Bezel sub assy Midnight Gray			1
316	N/A	45-01A17002G100	VA1703wb Bezel Sub-Assy Mid-Gray 2nd			1
317	N/A	45-01A17001G000	VA1703w Bezel sub assy silver			1
318	C-00008242	45-01A17001G100	VA1703w Bezel Sub-Assy Silver 2nd			1
319	N/A	45-01A17002G100	VA1703wb Bezel Sub-Assy Mid-Gray 2nd			1
320	N/A	45-01A17002G000	VA1703wb Bezel sub assy Midnight Gray			1
321	C-00008242	45-01A17001G100	VA1703w Bezel Sub-Assy Silver 2nd			1
322	N/A	45-01A17001G000	VA1703w Bezel sub assy silver			1
323	N/A	45-01A17002G000	VA1703wb Bezel sub assy Midnight Gray			1
324	N/A	45-01A17002G100	VA1703wb Bezel Sub-Assy Mid-Gray 2nd			1
325	N/A	45-01A17001G000	VA1703w Bezel sub assy silver			1
326	C-00008242	45-01A17001G100	VA1703w Bezel Sub-Assy Silver 2nd			1
327	N/A	45-01A17002G000	VA1703wb Bezel sub assy Midnight Gray			1
328	N/A	45-01A17002G100	VA1703wb Bezel Sub-Assy Mid-Gray 2nd			1
329	N/A	45-01A17001G000	VA1703w Bezel sub assy silver			1
330	C-00008242	45-01A17001G100	VA1703w Bezel Sub-Assy Silver 2nd			1
331	N/A	45-01A17002G000	VA1703wb Bezel sub assy Midnight Gray			1
332	N/A	45-01A17002G100	VA1703wb Bezel Sub-Assy Mid-Gray 2nd			1
333	N/A	45-01A17001G000	VA1703w Bezel sub assy silver			1
334	C-00008242	45-01A17001G100	VA1703w Bezel Sub-Assy Silver 2nd			1
335	N/A	45-02A17002G000	VA1703wb B/C sub assy Midnight Gray			1
336	N/A	45-02A17002G100	VA1703wb B/C Sub-Assy Midnight-Gray 2nd			1
337	N/A	45-02A17001G000	VA1703w Backcover sub assy black			1
338	C-00008243	45-02A17001G100	VA1703w Backcover Sub-Assy Black 2nd			1
339	N/A	45-02A17002G100	VA1703wb B/C Sub-Assy Midnight-Gray 2nd			1
340	N/A	45-02A17002G000	VA1703wb B/C sub assy Midnight Gray			1
341	C-00008243	45-02A17001G100	VA1703w Backcover Sub-Assy Black 2nd			1
342	N/A	45-02A17001G000	VA1703w Backcover sub assy black			1
343	N/A	45-02A17002G000	VA1703wb B/C sub assy Midnight Gray			1
344	N/A	45-02A17002G100	VA1703wb B/C Sub-Assy Midnight-Gray 2nd			1
345	N/A	45-02A17001G000	VA1703w Backcover sub assy black			1
346	C-00008243	45-02A17001G100	VA1703w Backcover Sub-Assy Black 2nd			1
347	N/A	45-02A17002G000	VA1703wb B/C sub assy Midnight Gray			1
348	N/A	45-02A17002G100	VA1703wb B/C Sub-Assy Midnight-Gray 2nd			1
349	N/A	45-02A17001G000	VA1703w Backcover sub assy black			1
350	C-00008243	45-02A17001G100	VA1703w Backcover Sub-Assy Black 2nd			1
351	N/A	45-02A17002G000	VA1703wb B/C sub assy Midnight Gray			1
352	N/A	45-02A17002G100	VA1703wb B/C Sub-Assy Midnight-Gray 2nd			1
353	N/A	45-02A17001G000	VA1703w Backcover sub assy black			1
354	C-00008243	45-02A17001G100	VA1703w Backcover Sub-Assy Black 2nd			1
355	N/A	60-01000098G000	VA1703wb color carton Taiwan			1
356	N/A	60-01000098G001	VA1703wb Carton, made in China			1
357	N/A	60-01000097G000	VA1703w color carton Taiwan			1
358	P-00008239	60-01000097G001	VA1703w Carton, made in China			1
359	N/A	60-01000098G001	VA1703wb Carton, made in China			1
360	N/A	60-01000098G000	VA1703wb color carton Taiwan			1
361	P-00008239	60-01000097G001	VA1703w Carton, made in China			1
362	N/A	60-01000097G000	VA1703w color carton Taiwan			1
363	N/A	60-01000098G000	VA1703wb color carton Taiwan			1
364	N/A	60-01000098G001	VA1703wb Carton, made in China			1
365	N/A	60-01000097G000	VA1703w color carton Taiwan			1
366	P-00008239	60-01000097G001	VA1703w Carton, made in China			1
367	N/A	60-01000098G000	VA1703wb color carton Taiwan			1
368	N/A	60-01000098G001	VA1703wb Carton, made in China			1
369	N/A	60-01000097G000	VA1703w color carton Taiwan			1
370	P-00008239	60-01000097G001	VA1703w Carton, made in China			1
371	N/A	60-01000098G000	VA1703wb color carton Taiwan			1
372	N/A	60-01000098G001	VA1703wb Carton, made in China			1
373	N/A	60-01000097G000	VA1703w color carton Taiwan			1
374	P-00008239	60-01000097G001	VA1703w Carton, made in China			1
375	P-00008240	61-01000051G000	VA1703 End Cap-L EPS			10

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
376	P-00008241	61-01000052G000	VA1703 End Cap-R EPS			10
377	P-00008004	61-03000003G000	U171 PE BAG 225*400MM			10
378	P-00008005	61-03000007G000	PE BAG 500*650mm			10
379	N/A	62-05000066G000	VA1703wb ID Label Taiwan			1
380	N/A	62-05000066G001	VA1703wb ID Label, made in China			1
381	N/A	62-05000065G000	VA1703w ID Label Taiwan			1
382	N/A	62-05000065G001	VA1703w ID Label, made in China			1
383	P-00008243	61-03000010G000	PE bag 700*700mm			2
384	N/A	62-05000066G000	VA1703wb ID Label Taiwan			1
385	N/A	62-05000066G001	VA1703wb ID Label, made in China			1
386	N/A	62-05000065G000	VA1703w ID Label Taiwan			1
387	N/A	62-05000065G001	VA1703w ID Label, made in China			1
388	N/A	62-05000066G000	VA1703wb ID Label Taiwan			1
389	N/A	62-05000066G001	VA1703wb ID Label, made in China			1
390	N/A	62-05000065G000	VA1703w ID Label Taiwan			1
391	N/A	62-05000065G001	VA1703w ID Label, made in China			1
392	N/A	62-05000066G000	VA1703wb ID Label Taiwan			1
393	N/A	62-05000066G001	VA1703wb ID Label, made in China			1
394	N/A	62-05000065G000	VA1703w ID Label Taiwan			1
395	N/A	62-05000065G001	VA1703w ID Label, made in China			1
396	N/A	62-06000003G000	BARCODE LABEL 76.2*76.2MM			2
397	N/A	62-03000018G000	ViewSonic Warranty China			2
398	N/A	62-06000003G000	BARCODE LABEL 76.2*76.2MM			6
399	N/A	62-06000004G000	BARCODE LABEL 50*25MM			2
400	N/A	62-05000066G001	VA1703wb ID Label, made in China			1
401	N/A	62-05000066G000	VA1703wb ID Label Taiwan			1
402	N/A	62-05000065G001	VA1703w ID Label, made in China			1
403	N/A	62-05000065G000	VA1703w ID Label Taiwan			1
404	N/A	62-06000004G000	BARCODE LABEL 50*25MM			6
405	N/A	62-06000005G000	BARCODE LABEL 25*12MM			2
406	N/A	62-06000003G000	BARCODE LABEL 76.2*76.2MM			2
407	N/A	62-06000005G000	BARCODE LABEL 25*12MM			6
408	DC-00008001	62-07000009G000	Energy Star Label			2
409	N/A	62-06000004G000	BARCODE LABEL 50*25MM			2
410	DC-00008001	62-07000009G000	Energy Star Label			6
411	DC-00008003	62-07000011G000	Hi-Pot Pass Label			2
412	N/A	62-06000005G000	BARCODE LABEL 25*12MM			2
413	DC-00008003	62-07000011G000	Hi-Pot Pass Label			6
414	N/A	62-06000006G000	Barcode label 35*4mm			8
415	DC-00008004	62-07000013G000	8ms sticker			4
416	DC-00008197	72-01170303G000	VA1703 Taiwan Packing assy			1
417	N/A	72-01170303G001	VA1703 Taiwan Packing Assy,made in China			1
418	DC-00008197	72-01170303G000	VA1703 Taiwan Packing assy			1
419	N/A	72-01170303G001	VA1703 Taiwan Packing Assy,made in China			1
420	DC-00008001	62-07000009G000	Energy Star Label			2
421	DC-00008197	72-01170303G000	VA1703 Taiwan Packing assy			1
422	N/A	72-01170303G001	VA1703 Taiwan Packing Assy,made in China			1
423	DC-00008197	72-01170303G000	VA1703 Taiwan Packing assy			1
424	N/A	72-01170303G001	VA1703 Taiwan Packing Assy,made in China			1
425	DC-00008197	72-01170303G000	VA1703 Taiwan Packing assy			1
426	N/A	72-01170303G001	VA1703 Taiwan Packing Assy,made in China			1
427	DC-00008197	72-01170303G000	VA1703 Taiwan Packing assy			1
428	N/A	72-01170303G001	VA1703 Taiwan Packing Assy,made in China			1
429	DC-00008198	72-01170301G000	VA1703 USA Packing Assy			1
430	N/A	72-01170301G001	VA1703 USA Packing Assy, made in China			1
431	DC-00008198	72-01170301G000	VA1703 USA Packing Assy			1
432	N/A	72-01170301G001	VA1703 USA Packing Assy, made in China			1
433	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 7.5mA/32W(FSP)			1
434	B-00008235	52-5W273003G000	POWER/INVERTER 2Lamp 7.5mA/32W(DELTA)			1
435	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 7.5mA/32W(FSP)			1
436	B-00008235	52-5W273003G000	POWER/INVERTER 2Lamp 7.5mA/32W(DELTA)			1
437	DC-00008002	62-07000010G000	QC-Pass Label			2
438	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 7.5mA/32W(FSP)			1
439	B-00008235	52-5W273003G000	POWER/INVERTER 2Lamp 7.5mA/32W(DELTA)			1
440	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 7.5mA/32W(FSP)			1
441	B-00008235	52-5W273003G000	POWER/INVERTER 2Lamp 7.5mA/32W(DELTA)			1
442	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 7.5mA/32W(FSP)			1
443	B-00008235	52-5W273003G000	POWER/INVERTER 2Lamp 7.5mA/32W(DELTA)			1
444	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 7.5mA/32W(FSP)			1
445	B-00008235	52-5W273003G000	POWER/INVERTER 2Lamp 7.5mA/32W(DELTA)			1
446	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 7.5mA/32W(FSP)			1
447	B-00008235	52-5W273003G000	POWER/INVERTER 2Lamp 7.5mA/32W(DELTA)			1
448	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 7.5mA/32W(FSP)			1
449	B-00008235	52-5W273003G000	POWER/INVERTER 2Lamp 7.5mA/32W(DELTA)			1
450	B-00008233	70-V1703000G001	VA1703 KEY BOARD ASS'Y (w/o speakers)			2
451	DC-00008003	62-07000011G000	Hi-Pot Pass Label			2

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
452	B-00008233	70-V1703000G001	VA1703 KEY BOARD ASS'Y (w/o speakers)			6
453	B-00008234	70-V7030102G500	VA1703 MB AL-NA ASS'Y(Sirtec)			2
454	DC-00008004	62-07000013G000	8ms sticker			2
455	B-00008234	70-V7030102G500	VA1703 MB AL-NA ASS'Y(Sirtec)			6
456	PL-00008072	42-01260013G000	Mylar 385*250*0.1(Protection) for 17"W			2
457	N/A	62-07000014G000	Customer label			2
458	PL-00008072	42-01260013G000	Mylar 385*250*0.1(Protection) for 17"W			6
459	N/A	62-07000015G000	ViewSonic Customer label 180*100mm			2
460	DC-00008196	72-01170302G001	VA1703 China Packing Assy, made in China			1
461	N/A	72-01170302G000	VA1703 China Packing Assy			1
462	DC-00008196	72-01170302G001	VA1703 China Packing Assy, made in China			1
463	N/A	72-01170302G000	VA1703 China Packing Assy			1
464	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 7.5mA/32W(FSP)			1
465	B-00008235	52-5W273003G000	POWER/INVERTER 2Lamp 7.5mA/32W(DELT)			1
466	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 7.5mA/32W(FSP)			1
467	B-00008235	52-5W273003G000	POWER/INVERTER 2Lamp 7.5mA/32W(DELT)			1
468	B-00008233	70-V1703000G001	VA1703 KEY BOARD ASS'Y (w/o speakers)			2
469	B-00008234	70-V7030102G500	VA1703 MB AL-NA ASS'Y(Sirtec)			2
470	PL-00008072	42-01260013G000	Mylar 385*250*0.1(Protection) for 17"W			2

BOM LIST (VA1703WB-1)

ViewSonic Model Number: VS11534

Rev: 1a

Serial No. Prefix: QFK

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
1	N/A	90-10000001-000	BIOS LABEL (10*10 MM)			1
2	N/A	90-10000000-000	TRACKING LABEL (45*8 MM)			1
3	N/A	72-01170303G001	VA1703 Taiwan Packing Assy,made in China			1
4	DC-00008197	72-01170303G000	VA1703 Taiwan Packing assy			1
5	DC-00008196	72-01170302G001	VA1703 China Packing Assy, made in China			1
6	N/A	72-01170302G000	VA1703 China Packing Assy			1
7	N/A	72-01170301G001	VA1703 USA Packing Assy, made in China			1
8	DC-00008198	72-01170301G000	VA1703 USA Packing Assy			1
9	B-00008234	70-V7030102G500	VA1703 MB AL-NA ASS'Y(Sirtec)			1
10	B-00008233	70-V1703000G001	VA1703 KEY BOARD ASS'Y (w/o speakers)			1
11	N/A	62-07000015G000	ViewSonic Customer label 180*100mm			1
12	N/A	62-07000014G000	Customer label			1
13	DC-00008004	62-07000013G000	8ms sticker			1
14	DC-00008003	62-07000011G000	Hi-Pot Pass Label			1
15	DC-00008002	62-07000010G000	QC-Pass Label			1
16	DC-00008001	62-07000009G000	Energy Star Label			1
17	N/A	62-06000006G000	Barcode label 35*4mm			4
18	N/A	62-06000005G000	BARCODE LABEL 25*12MM			1
19	N/A	62-06000004G000	BARCODE LABEL 50*25MM			1
20	N/A	62-06000003G000	BARCODE LABEL 76.2*76.2MM			1
21	N/A	62-05000066G001	VA1703wb ID Label, made in China			1
22	N/A	62-05000066G000	VA1703wb ID Label Taiwan			1
23	N/A	62-04000025G001	VA1703 CD Guide, made in China			1
24	N/A	62-04000025G000	VA1703 CD User Guide			1
25	N/A	62-03000020G001	Viewsonic Warranty USA 1440*900-blue			1
26	N/A	62-03000018G000	ViewSonic Warranty China			1
27	N/A	62-02000034G000	VA903b Quick Start ,made in China			1
28	N/A	62-02000019G000	VA903b Base Guide			1
29	N/A	62-02000017G000	VA903b Quick Start Taiwan			1
30	P-00008243	61-03000010G000	PE bag 700*700mm			1
31	P-00008005	61-03000007G000	PE BAG 500*650mm			1
32	P-00008004	61-03000003G000	U171 PE BAG 225*400MM			1
33	P-00008241	61-01000052G000	VA1703 End Cap-R EPS			1
34	P-00008240	61-01000051G000	VA1703 End Cap-L EPS			1
35	P-00008244	60-01000098G001	VA1703wb Carton, made in China			1
36	N/A	60-01000098G000	VA1703wb Carton, made in Taiwan			1
37	B-00008235	52-5W273003G000	POWER/INVERTER 2Lamp 8.0mA/32W(DELTa)			1
38	N/A	52-5W273001G000	POWER/INVERTER 2Lamp 8.0mA/32W(FSP)			1
39	C-00008247	45-02A17002G100	VA1703wb B/C Sub-Assy Midnight-Gray 2nd			1
40	N/A	45-02A17002G000	VA1703wb B/C sub assy Midnight Gray			1
41	C-00008246	45-01A17002G100	VA1703wb Bezel Sub-Assy Mid-Gray 2nd			1
42	N/A	45-01A17002G000	VA1703wb Bezel sub assy Midnight Gray			1
43	N/A	43-90000082G000	SCREW 4#-40*5*6.8 NI			2
44	N/A	43-90000052G110	PHW+LWM4-18x10 TP-B Ni (washer Tap)			3
45	N/A	43-12031002G000	SCREW M3x10 ROUND WASHER Ni Me			4
46	N/A	43-12030805G010	SCREW M3*8 ROUND WASHER CZ TAP			2
47	N/A	43-12030502G000	SCREW M3*5 ROUND WASHER NI ME			21
48	N/A	43-04030602G010	Screw M3*6 Flat Ni Tap			6
49	N/A	43-01040604G001	Screw M4*6 PAN BZ, Me,			6
50	N/A	43-01031004G010	SCREW T3x10 PAN BZ Tap			1
51	N/A	42-10230001G000	Elec. tape cloth black W:15mm,TL:30m			0.004
52	M-00008082	42-04260010G000	VA1703 BRAND BIRD LOGO AL+PC			1
53	PL-00008002	42-04170008G000	Name plate Brand for Viewsonic AL			1
54	PL-00008001	42-02110002G000	HU171 Rubber Foot Black			6
55	PL-00008072	42-01260013G000	Mylar 385*250*0.1(Protection) for 17"W			1
56	N/A	41-07010025G000	VA1703 Hinge SECC			1
57	N/A	41-07010012G000	VA903 Hinge SECC=2mm			1
58	N/A	41-04010029G000	HW173A SHIELDING			1
59	N/A	41-03010070G000	VA1703 WALL MOUNT BRACKET SECC			2
60	N/A	41-03010065G001	VA1703 HINGE BRACKET SECC			1
61	N/A	41-03010064G000	HW173 PANEL BRACKET R			1
62	N/A	41-03010063G000	HW173 PANEL BRACKET L			1
63	N/A	41-03010040G000	VA903 Base Bracket SECC T=1.6mm			1
64	C-00008248	40-07010009G110	VA1703wb H/C ABS-HB Midnight Gray 2nd			1
65	N/A	40-07010009G010	VA1703wb HINGE COVER ABS Midnight Gray			1
66	PL-00008074	40-06010030G110	VA1703wb Base ABS-HB Midnight Gray 2nd			1
67	N/A	40-06010030G010	VA1703wb Base ABS-HB Midnight Gray			1
68	C-00008249	40-05010031G110	VA1703wb Arm ABS-HB Midnight Gray 2nd			1
69	N/A	40-05010031G010	VA1703wb Arm ABS-HB Midnight Gray			1
70	N/A	40-03010048G100	VA1703 Button-Value ABS Silver 2nd			1
71	N/A	40-03010048G000	VA1703 Button-Value ABS Silver			1

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
72	N/A	40-03010047G100	VA1703 Button-Function ABS Silver 2nd			1
73	N/A	40-03010047G000	VA1703 Button-Function ABS Silver			1
74	N/A	40-03010046G100	VA1703 Button-Power PC Transparent 2nd			1
75	N/A	40-03010046G000	VA1703 Button-Power PC Transparent			1
76	N/A	40-02010041G110	VA1703wb B/C ABS-HB Midnight Gray 2nd			1
77	N/A	40-02010041G010	VA1703wb BACKCOVER ABS-HB Midnight gray			1
78	N/A	40-01010096G110	VA1703wb Bezel ABS-HB Midnight Gray 2nd			1
79	N/A	40-01010096G010	VA1703wb BEZEL ABS-HB Midnight Gray			1
80	N/A	39-X1910100G000	HX191 Main board PCB (Chin-Shi)			1
81	N/A	39-VA903000G000	VA903 Key Board PCB			1
82	N/A	34-04170013G000	AL foil, W15*L50*0.1mm			2
83	N/A	34-04170012G000	AL Foil W30*L30*T0.1mm			1
84	N/A	34-04170009G000	Al foil,W*L*H=30*50*0.1mm			3
85	N/A	34-04170002G000	AL FOIL W15*L30			1
86	N/A	33-W3930201G000	WIRE HRN(HDR 2651#28)12P P*2.0 310mm			1
87	N/A	33-W2730201G000	WIRE HRN(UL1571#28)26P-30P 17W-LVDS 80MM			1
88	CB-00008097	33-R3910501G000	CABLE SIGNAL D/15P-15P(M)1800MM-JHEN VEI			1
89	A-00008004	33-E3980011G000	PWR CORD TWN 125V/7A 1.8M 3C BLK "Linetek"			1
90	A-00008038	33-E3980005G000	PWR CORD CHN 250V/10A 1.8M 3C BLK"Linetek"			1
91	A-00008040	33-E3980003G000	PWR CORD EUR 250V/10A 1.8M 3C BLK"Linetek"			1
92	A-00008039	33-E3980000G000	PWR CORD USA 125V/10A 1.8M 3C BLK"Linetek"			1
93	N/A	33-E3910011G000	PWR CORD TAIWAN (BSMI) 125V/7A1800mm blk			1
94	CB-00008001	33-00090501G000	CABLE SIGNAL D/15P-15P(M)1800MM			1
95	A-00008003	33-00080002G000	PWR CORD CHINA 250V/10A 1800MM LF			1
96	N/A	33-00080000G000	PWR CORD AMERICAN(UL/CSA) 125V/10A 1800m			1
97	N/A	33-00000004G000	PWR CORD EUR 250V/10A 1800MM 3C BLK			1
98	N/A	32-60015080G001	CONN D-SUB 15P C12284-11020-R(TACT)			1
99	N/A	32-42004083G000	CONN BTOB(F-HDR)4P Px2/2.54mmR/A/M(TACT)			1
100	N/A	32-31012085G000	CONN W TO B 12P P*2.0 C1U2X-XX0VX(TACT)			1
101	N/A	32-30026083G000	CONN BTOB(HDR) 26P P=2.0 C1U2X-XX0T2-R R			1
102	N/A	31-10400100G000	SW TACT 160GF DIP TSAC-2L			5
103	N/A	23-11431800G001	Crystal-14.318MHz 20pF 20PPM 49US(TXC)			1
104	N/A	22-5A300780G000	BEAD EBMS160808B300 0603 (ENGYA)			3
105	N/A	20-98GYW134G010	LED T-GEN/AMB 3P HL-30218T2GQYW(ENGYA)			1
106	N/A	20-83401000G000	TR P-MOS 30V/4.2A AO3401-L TO-236(SOT-2			1
107	N/A	20-53906000G100	TR PNP CH3906PT SOT-23			2
108	N/A	20-43904000G100	NPN Transistors CH3904PT SOT-23			4
109	N/A	20-199PT000G100	Switching Diodes BAV99PT SOT-23			3
110	N/A	20-154CT302G100	30V/200mW BAT54CT SOT-23(CHENMKO)			1
111	E-00008169	170MGW1-A00	LIQUID CRYSTAL DEVICE HSD170MGW1-A			1
112	N/A	14-81074500G300	CAP EC LOW ESR 100uF 25V +-20% 6*11.5			3
113	N/A	14-24754500G200	CAP EC 4.7UF/25V M 4*7 105C DIP(CAPXON)			1
114	N/A	14-21064500G100	CAP EC 10UF/25V M 4*7 105C DIP(CAPXON)			7
115	N/A	12-16802360G600	CAP CC 68PF 25V J NPO 0603 LEAD FREE (WA			2
116	N/A	12-14732450G600	CAP CC 47NF 25V K X7R 0603 LEAD FREE (WA			6
117	N/A	12-12253810G600	CAP CC 0.22UF 16V Z Y5V 0603(WALSIN)			1
118	N/A	12-12201360G600	CAP CC 22PF 50V J NPO 0603 LEAD FREE			2
119	N/A	12-11812360G600	CAP CC 180PF 25V J NPO 0603 LEAD FREE (W			1
120	N/A	12-11801360G600	CAP CC 18PF 50V J NPO 0603(WALSIN)			1
121	N/A	12-11062810G400	CAP CC 10UF 25V Z Y5V 1206 (WALSIN)			1
122	N/A	12-11054810G600	CAP CHIP 1uF +80-20% 10V Y5V 0603			1
123	N/A	12-11042410G600	CAP CC 100NF 25V K Y5V 0603 LEAD FREE (W			34
124	N/A	12-11022450G600	CAP CC 1NF 25V K X7R 0603 LEAD FREE (WAL			1
125	N/A	10-21000320G700	RES CHIP FCR 100Ω 5% 1/10W 0603			15
126	N/A	10-20750320G700	RES FCR 75R J 1/10W 0603 LEAD FREE (WALS			3
127	N/A	10-20560320G700	RES FCR 56R J 1/10W 0603 LEAD FREE (WALS			3
128	N/A	10-20472320G700	RES FCR 4.7K J 1/10W 0603 LEAD FREE (WA			6
129	N/A	10-20471320G700	RES FCR 470R J 1/10W 0603 LEAD FREE (WAL			5
130	N/A	10-20391120G700	RES FCR 390R F 1/10W 0603			1
131	N/A	10-20220320G700	RES CHIP FCR 22Ω 5% 1/10W 0603			4
132	N/A	10-20203120G700	RES FCR 20K J 1/10W 0603(WALSIN)			1
133	N/A	10-20102320G700	RES FCR 1K J 1/10W 0603 LEAD FREE (WALS			1
134	N/A	10-20000320G700	RES FCR 0R J 1/10W 0603 LEAD FREE (WALS			2
135	N/A	06-V7031100G000	Bin Code VA1703wb AL 170MGW1A00R30.0			1
136	N/A	05-20184300G200	IC LDO AIC1084-33PM TO-263-3P			1
137	N/A	05-20111705G300	IC LDO AIC1117-18PY(SOT-223)			1
138	N/A	04-20400008G001	IC 1M FLASH Pm25LV010A-100SCE(PMC)			1
139	N/A	04-1V703A00G000	EDID VA1703wb 170MGW1A00 EDID A			1
140	N/A	04-10241600G200	IC EEPROM 24LC16BT/SN SO-8P			1
141	N/A	04-10224026G200	IC EEPROM 256K 24LC02 SO-8P			1
142	N/A	03-05007400G800	IC TTL 74LVC14 SO-14 (Philips)			1
143	N/A	02-156AK000G801	IC SCALE TSUM56AK-LF-1 PQFP-128P (TSU)			1

*** Reader's Response***

Dear Readers:

Thank you in advance for your feedback on our Service Manual, which allows continuous improvement of our products. We would appreciate your completion of the Assessment Matrix below, for return to ViewSonic Corporation.

Assessment

A. What do you think about the content of this Service Manual?

<i>Unit</i>	<i>Excellent</i>	<i>Good</i>	<i>Fair</i>	<i>Bad</i>
1. Precautions and Safety Notices				
2. Specification				
3. Front Panel Function Control Description				
4. Circuit Description				
5. Adjustment Procedure				
6. Troubleshooting Flow Chart				
7. Block Diagrams				
8. Schematic Diagrams				
9. PCB Layout Diagrams				
10. Exploded Diagram and Exploded Parts List				
11. Recommended Spare Parts List				

B. Are you satisfied with this Service Manual?

<i>Item</i>	<i>Excellent</i>	<i>Good</i>	<i>Fair</i>	<i>Bad</i>
1. Service Manual Content				
2. Service Manual Layout				
3. The form and listing				

C. Do you have any other opinions or suggestions regarding this service manual?

Reader's basic data:

Name:		Title:	
Company:			
Add:			
Tel:		Fax:	
E-mail:			

After completing this form, please return it to ViewSonic Quality Assurance in the USA at facsimile 1-909-839-7943. You may also e-mail any suggestions to the Director, Quality Systems & Processes (marc.maupin@viewsonic.com)